

Proficiency Testing Scheme für die Wasseranalytik - Realproben N145 Nährstoffe

Proficiency Testing Scheme for Water Analysis - natural water samples N145 Nutrients / Major ions

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D1. Beschreibung des Ringversuchs

D1.1. Ausgestaltung und Durchführung

- Anzahl der Anmeldungen: 67
- Anzahl der übermittelten Datensätze: 66
- Probenversand: 12.02.2019
- Einsendeschluss der Daten: 12.03.2019

Die Ergebnisabgabe erfolgte auf elektronischem Weg mittels passwortgeschützter Online-Dateneingabe. Beim Abschluss der Dateneingabe bestätigte der Teilnehmer die vollständige und korrekte Eingabe aller Daten und die Freigabe der Ergebnisse zur Auswertung.

Zur Anonymisierung der Ergebnisse wurde jedem Labor willkürlich ein Laborcode zugeteilt.

D1.2. Beschreibung der Prüfgegenstände

Die Probenahme von Grundwasser und Oberflächenwasser erfolgte am 11.02.2019. Das Probenmaterial umfasste:

- 1 Probe Grundwasser (N145 A)
- 1 Probe Oberflächenwasser (N145 B)

Alle Proben wurden über 0,45 µm Membranfilter filtriert und anschließend bis zur weiteren Verarbeitung bei < 4 °C gelagert. Die o.a. Proben wurden zusätzlich mit einzelnen Substanzen dotiert.

Das Abfüllen der Proben erfolgte unter ständigem Rühren (Rührkessel). Die Stabilisierung erfolgte durch Kühlung bzw. durch Zusatz von Salzsäure auf pH<2 (für DOC).

Die homogenen Prüfgegenstände wurden am 12.02.2019 verschickt.

Jedes Teilnehmerlabor erhielt:

- 2 Proben zu je ca. 1250 ml, abgefüllt in je 2 x 500 ml PET-Flaschen und 1 x 250 ml LDPE-Flaschen (für DOC).

D1.3. Anweisungen für die Teilnehmer

Aus Stabilitätsgründen wurde empfohlen bis spätestens 20.02.2019 mit den Analysen zu beginnen.

Den Teilnehmern stand die Wahl der Analysenmethode bzw. der verwendeten Norm frei, welche mit ihrem Routineverfahren übereinstimmen sollte.

D1.4. Kontrollanalytik zur Bewertung der Homogenität

Im Zuge der Abfüllung wurden zu willkürlichen Zeitpunkten mehrere Aliquote pro Probe zur Kontrollanalytik entnommen.

Es wurden für die A- bzw. B-Probe jeweils $n=5$ Kontrollproben sowie $n=1$ undotierte Realprobe dem Labor zur Analyse übergeben.

Die Bestimmung der Parameter Ammonium, Säurekapazität $K_{s\ 4,3}$ (Alkalinität), Nitrit, ortho-Phosphat, Gesamtphosphor, Chlorid, Nitrat, Sulfat, gelöster organischer Kohlenstoff (DOC), Hydrogenkarbonat und Gesamtstickstoff wurde an ein externes Labor (akkreditiert nach EN ISO/IEC 17025 für die o.a. Parameter) im Unterauftrag vergeben (verdeckte Vergabe, Proben anonymisiert) und erfolgte zeitnah zum Probenversand. Alle weiteren Parameter wurden in der Prüfstelle am Umweltbundesamt (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) zeitnah zum Probenversand analysiert.

Im Zuge der Auswertung wurde die relative Standardabweichung zwischen den Kontrollprobenabfüllungen bewertet und mit der Vergleichsstandardabweichung beim aktuellen Ringversuch verglichen.

Die Ergebnisse der Kontrollanalytik sind in der parameterorientierten Auswertung (E7) in Form von Mittelwerten \pm Messunsicherheit als Kontrollwert (control test value) \pm U gelistet (jeweils angegeben als erweiterte Messunsicherheit, $k=2$).

D1.5. Trendtest zur Bewertung der Stabilität

Die Bewertung der Stabilität der Prüfgegenstände (Realproben) erfolgte auf Basis der Datenstatistik aus den vergangenen Runden für Realproben im Zeitraum 2013 bis 2018.

Um die ausreichende Stabilität der Prüfgegenstände der aktuellen Eignungsprüfungsrunde bis zum Abgabetermin zu überprüfen, wurde die Darstellung der Teilnehmerergebnisse nach Analysendatum ausgewertet und auf systematische Trends geprüft (unauffällig). Durch Darstellung der Teilnehmerergebnisse nach Abfüllreihenfolge wurde auf das Vorliegen möglicher systematischer Trends der Ergebnisse geprüft (unauffällig).

Aufgrund der bisherigen Erfahrungen und aufgrund der Bewertungsgrundlagen der aktuellen Eignungsprüfungsrunde gilt die Stabilität der Prüfgegenstände im empfohlenen Zeitraum für die Analyse bis zum Abgabeschluss als gewährleistet.

D1.6. Ermittlung des zugewiesenen Wertes

Die Ergebnisse der Analysen mussten spätestens bis zum 12.03.2019 beim Veranstalter vorliegen. Später eingehende Werte wurden nicht berücksichtigt.

Im Zuge der Plausibilitätsprüfung der Daten (z.B. Check korrekte Einheiten, Messunsicherheitsangabe, ...) wurden die Teilnehmer mit auffälligen Ergebnissen zum erneuten Datencheck der Eingabe und um Rückmeldung binnen 24 h aufgefordert.

Nach Abschluss der Plausibilitätsprüfung, wurde der Ausreißertest nach Hampel durchgeführt und die Ausreißer ermittelt. Die von diesem Test auffällig eingestuft Werte wurden in der Auswertung gekennzeichnet („H“). In begründeten Fällen, z.B. wenn der Ausreißertest nach Hampel nicht anwendbar ist (z.B. Ergebnisse liegen sehr eng beieinander oder überwiegend selber Zahlenwert bzw. bei wenig abgegebenen Daten mit sehr hoher Streuung), kann eine Ausreißereliminierung nach weiteren Kriterien erfolgen (z.B. Dean- und Dixon Test bzw. manuelle Ausreißerdefinition aufgrund Expertenbefund). Diese Vorgangsweise wird nach Anwendung unter Punkt D4 des Berichts dokumentiert.

Die weitere Auswertung erfolgte gemäß DIN ISO 5725-2. Eine statistische Auswertung der Ringversuchsdaten erfolgte erst ab zumindest 6 gültigen, numerischen Ergebnissen pro Parameter. Ergebnisse kleiner Bestimmungs- oder Nachweisgrenze wurden bei den Berechnungen nicht berücksichtigt.

Der zugewiesene Wert wird im Normalfall jeweils als der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse gebildet.

Bei sehr hohen Streuungen der Teilnehmerergebnisse von über 50 % oder bei mangelhafter Rückführbarkeit der statistischen Kenndaten aus den ausreißerbereinigten Ergebnissen der Teilnehmer auf den Mittelwert des Kontrolllabores, kann die Situation auftreten, dass kein zugewiesener Wert für den aktuellen Ringversuch festgelegt werden kann und daher keine Bewertung der Teilnehmerergebnisse für diesen Parameter möglich ist. Ein entsprechender Hinweis wird im Bericht unter E7 bei der informativen Auswertung angebracht. Im Rahmen der internen Qualitätssicherung der Teilnehmer kann ein Vergleich mit den Ergebnissen des Kontrolllabors durchgeführt werden. Diese Vorgehensweise wird bei Anwendung jeweils parameter- und probenbezogen unter Punkt D4 des Berichts dokumentiert.

D2. Kriterien der Leistungsbewertung

D2.1. Leistungskriterium z-Score

Als Basis zur Berechnung der Wiederfindungsraten sowie der z-Scores wurde der ausreißerbereinigte Mittelwert über alle übermittelten Ergebnisse herangezogen.

Die Ermittlung der z-Scores erfolgte gemäß nachfolgender Formel:

$$z - score = \frac{x_i - \bar{X}}{Kriterium}$$

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
<i>Kriterium</i>	Vergleichsstandardabweichung berechnet aus den Statistiken für reale Wasserproben der vorangegangenen Runden im Zeitraum 2013 bis 2018 (RSDpooled) bzw. aus den ausreißerbereinigten Teilnehmerergebnissen (sR) des aktuellen Ringversuchs (falls noch weniger als 6 vorangegangene Runden für A und B-Proben vorlagen). In begründeten Fällen (z.B. Ergebnisse Realproben nahe an Mindestbestimmungsgrenze oder regulatorischer Vorgaben) erfolgt die Festlegung nach Expertenbefund und die Vorgangsweise wird unter Punkt D4 des Berichts beschrieben.

D2.2. Leistungskriterium E_n-Score

Für die realen Wasserproben erfolgen **neu ab 2019** zusätzliche Bewertungen unter Einbeziehung der erweiterten Messunsicherheiten der Teilnehmer und der erweiterten Messunsicherheit des zugewiesenen Wertes, gemäß E_n-Score. Diese Auswertungen werden für die Teilnehmer im Bericht unter Punkt E8 Labororientierte Auswertung, jeweils im Anschluss an die z-Score Auswertung dargestellt.

Die Ermittlung der E_n-Scores erfolgte gemäß nachfolgender Formel:

$$E_n - score = \frac{x_i - \bar{X}}{\sqrt{U(x_i)^2 + U(\bar{X})^2}}$$

Dabei ist:

x_i	Messergebnis des teilnehmenden Labors
\bar{X}	zugewiesener Wert Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen); im Regelfall: ausreißerbereinigter Mittelwert der Teilnehmerergebnisse. Eine davon abweichende Vorgehensweise wird unter Punkt D4 des Berichts beschrieben.
$U(x_i)$	erweiterte Messunsicherheit des Messergebnisses (Teilnehmerergebnis)
$U(\bar{X})$	erweiterte Messunsicherheit des zugewiesenen Wertes

D2.3. Leistungsbewertung z-Score und E_n-Score

Interpretation der z-Scores:

- $|z\text{-Score}| \leq 2.0$ Ergebnis gut
- $2.0 < |z\text{-Score}| < 3.0$ Ergebnis fragwürdig
- $|z\text{-Score}| \geq 3.0$ Ergebnis nicht zufriedenstellend

Hinweis: Bei der Bewertung mittels z-Score wird die Messunsicherheit der Teilnehmer nicht mitberücksichtigt. Der Vergleich der Abweichung zum zugewiesenen Wert erfolgt über das Kriterium.

Interpretation der E_n-Scores:

- $|E_n\text{-Score}| \leq 1.0$ zufriedenstellende Leistung
- $|E_n\text{-Score}| > 1.0$ nicht zufriedenstellende Leistung

Hinweis: Bei der Bewertung mittels E_n-Score erfolgt die Berücksichtigung der erweiterten Messunsicherheiten der Teilnehmer und des zugewiesenen Wertes. $|E_n\text{-Score}| > 1.0$ können darauf hinweisen, dass die Unsicherheitschätzungen überprüft oder ein Messproblem korrigiert werden muss.

D3. Darstellung und Interpretation der Messergebnisse

In der parameterorientierten Auswertung ist eine tabellarische Übersicht mit den Messergebnissen inklusive der Unsicherheit ($\pm U$), der Wiederfindung zum zugewiesenen Wert und dem berechneten z-Score dargestellt. Weiterhin werden unter Anmerkungen die Ausreißer gekennzeichnet. Die in der Tabelle angeführten Ergebnisse werden auch grafisch dargestellt.

In der labororientierten Auswertung werden pro Labor in anonymisierter Form die Ergebnisse der einzelnen Labore als Messergebnis $\pm U$ sowie die Wiederfindungen und die ermittelten z-Scores bezugnehmend auf das Kriterium dargestellt. Weiters werden die E_n-Scores unter Berücksichtigung der erweiterten Unsicherheiten in

unabhängigen Tabellen ausgegeben. Die labororientierten Auswertungen enthalten jeweils die Bewertungsgrundlagen wie zugewiesener Wert samt erweiterter Messunsicherheit sowie das Kriterium.

Eine Erläuterung zu den Tabellen und Grafiken kann Punkt D5 entnommen werden.

D4. Anmerkungen zur Auswertung

Wie unter Punkt D2 ersichtlich, können die z-Scores auch unter Einbeziehung der Vergleichsstandardabweichung der ausreißerbereinigten Teilnehmerergebnisse des aktuellen Ringversuchs berechnet werden. Das kann zur Folge haben, dass es bei Parametern mit hoher Ergebnisstreuung dazu kommen kann, dass der Bereich z-Score - 2 bis z-Score + 2 einen ungewöhnlich hohen Wiederfindungsbereich abdeckt. Umgekehrt führt eine sehr geringe Streuung der Teilnehmerergebnisse dazu, dass z-Score - 2 bis z-Score + 2 einen ungewöhnlich kleinen Wiederfindungsbereich abdeckt.

Die Wiederfindungsrate wird unabhängig von der Streuung der Ergebnisse, als prozentuelle Abweichung vom zugewiesenen Wert berechnet und sollte bei der Bewertung von Ergebnissen im Rahmen des internen Qualitätsmanagementsystems der teilnehmenden Labore berücksichtigt werden.

Als Ergebnis einer Langzeitauswertung über aktuell 6 Eignungsprüfungsrunden (2013 - 2018) in Realproben wurden Kriterien (RSDpool) zur Ergebnisbewertung berechnet. Diese wurden im Zuge der Auswertung den relativen Vergleichsstandardabweichungen (vR) des aktuellen Ringversuchs gegenübergestellt.

Die aktuelle Eignungsprüfungsrunde brachte für nahezu alle ausgewerteten Parameter relative Vergleichsstandardabweichungen (vR) in einer Größenordnung < 10 % in Bezug auf den zugewiesenen Wert. Ausnahmen bildeten hier lediglich der Parameter DOC in Probe N145 A (vR = 23 %), sowie der Parameter Ammonium in Probe N145 B (vR = 13,7 %).

Bei allen Parametern, die sowohl bei der aktuellen Vergleichsstandardabweichung als auch beim berechneten Kriterium der Langzeitauswertung < 10 % lagen, wurde als Kriterium für die Berechnung des z-Scores das jeweils höhere Kriterium gewählt.

Parameter Ammonium, Probe N145 A und N145 B: Aufgrund der vorliegenden Daten der Langzeitauswertung wurde das Kriterium für beide Proben auf 16 % gesetzt.

Parameter DOC, Probe N145 A: Die relative Vergleichsstandardabweichung betrug hier 23 %. Der Grund hierfür ist in der geringen Analytkonzentration nahe der Mindestbestimmungsgrenze zu suchen (zugewiesener Wert = 0,58 mg/l). Es wurde

daher in diesem Fall die relative Vergleichsstandardabweichung als Kriterium gewählt.

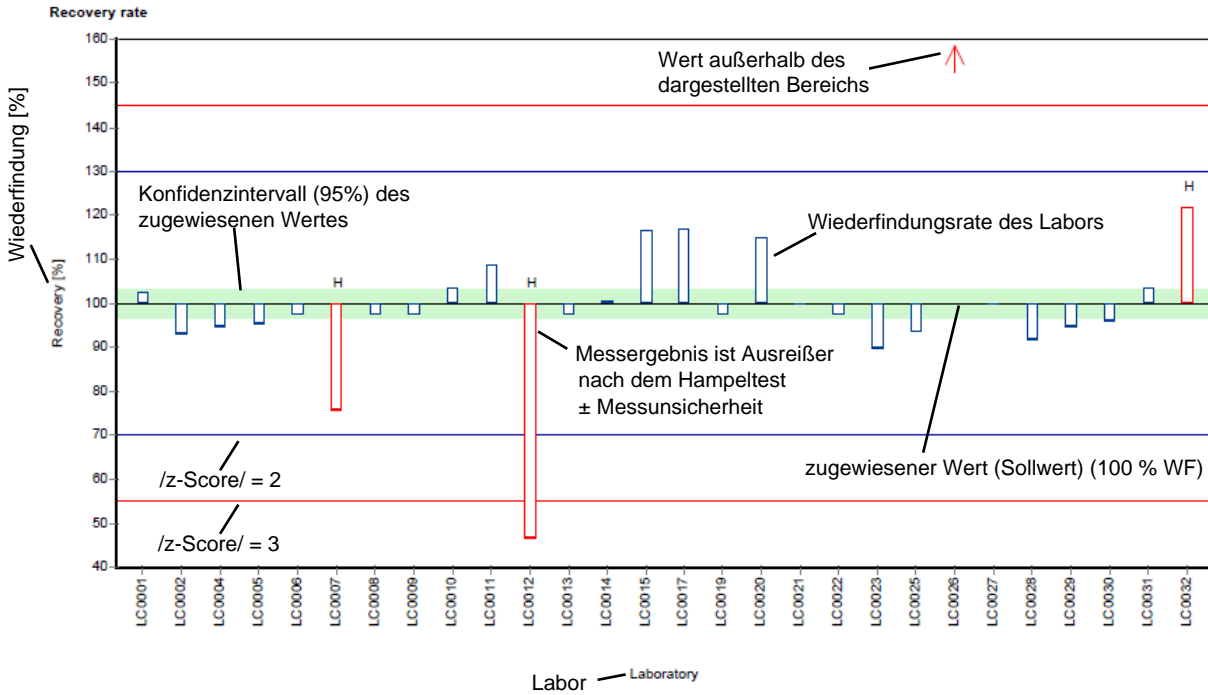
D5. Erläuterung zu Tabellen und Grafiken

D5.1 Angaben und Abkürzungen in Tabellen

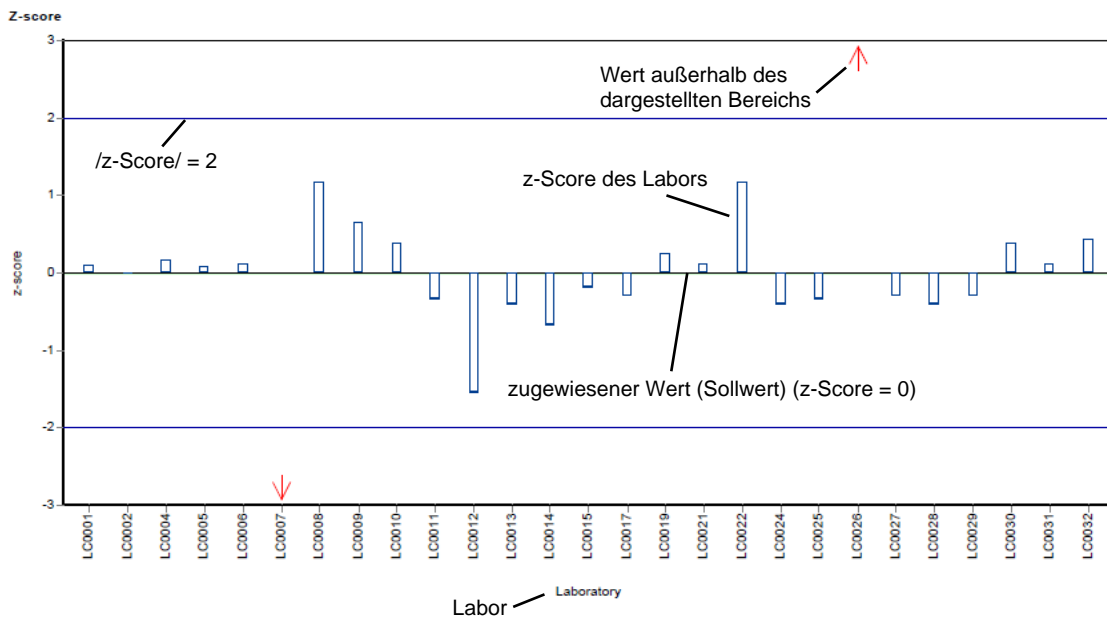
Parameter	Allgemeine Bezeichnung des Analysenparameters
Probe	Bezeichnung der übermittelten Probe
Einheit	Vorgegebene Einheit für Messwert und Ergebnisunsicherheit (z.B. µg/l)
Zugewiesener Wert	Sollwert für die Leistungsbewertung der Teilnehmer (angegeben auf 3 signifikante Stellen)
U (k=2)	erweiterte Unsicherheit (k=2) des zugewiesenen Wertes, (angegeben auf 3 signifikante Stellen)
Kriterium	Vorgabewert zur Ermittlung des z-Scores in der angegebenen Einheit (angegeben auf 3 signifikante Stellen)
Kriterium [%]	Vorgabewert zur Ermittlung des z-Scores in % des zugewiesenen Wertes (angegeben auf 2 signifikante Stellen)
Mittelwert	Ausreißerbereinigter Mittelwert über die Teilnehmerergebnisse (angegeben auf 3 signifikante Stellen)
VB (99%)	99% Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximales abgegebenes Messergebnis, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)
Kontrollwert ± U	Mittelwert der Kontrollmessungen des Veranstalters ±
U (k=2)	erweiterte Ergebnisunsicherheit des Kontrollwertes (jeweils angegeben auf 3 signifikante Stellen)

Laborcode	anonymisierte, eindeutige Teilnehmerkennung im jeweiligen Ringversuch
Messwert	einzelne(r) Messwert(e) lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
Messergebnis	Für die Bewertung herangezogenes Ergebnis lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt). Bei Eignungsprüfungsrunden mit Vorgabe von unabhängigen Mehrfachbestimmungen, entspricht dies dem berechneten Mittelwert aus den einzelnen Messwerten der Teilnehmer.
± U	Ergebnisunsicherheit lt. Teilnehmerangabe (maximal 5 Nachkommastellen dargestellt)
BG	Bestimmungsgrenze
NG	Nachweisgrenze
WF	Wiederfindungsrate in %, bezogen auf den zugewiesenen Wert (angegeben auf 3 signifikante Stellen, dargestellt maximal 1 Nachkommastelle)
MW	Mittelwert
z-Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches des Kriteriums (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen)
E _n -Score	Abweichung des Messergebnisses zum zugewiesenen Wert, ausgedrückt als Vielfaches der kombinierten Messunsicherheiten, bestehend aus erweiterter Unsicherheit des zugewiesenen Wertes und der erweiterten Unsicherheit der Messergebnisse der Teilnehmer (angegeben auf 3 signifikante Stellen, dargestellt maximal 2 Nachkommastellen). Beim E _n -Score erfolgt die Berücksichtigung der Messunsicherheit der Teilnehmer.
-	Keine Daten übermittelt bzw. keine Berechnung möglich
Anmerkungen	Anmerkungen zum jeweiligen Messergebnis (z.B. H, FN, FP)
H	Ausreißer nach dem Hampel-Test
FN	Falsch negativ – Messergebnis kleiner Bestimmungsbzw. Nachweisgrenze dessen Betrag die Bedingungen eines Ausreißers nach dem Hampeltest erfüllt.
FP	Falsch positiv – Falls aufgrund des geringen Analytgehalts kein zugewiesener Wert ermittelt werden kann (n < 6), wird der Median der Beträge der übermittelten Nachweis-

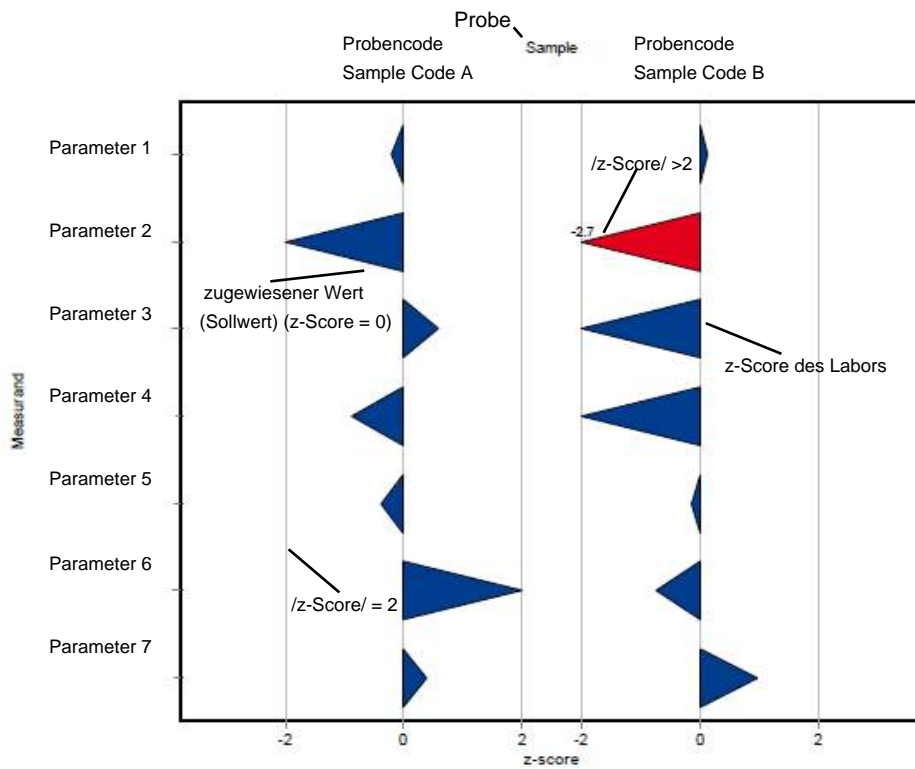
Beispieldiagramm: Wiederfindung zum zugewiesenen Wert



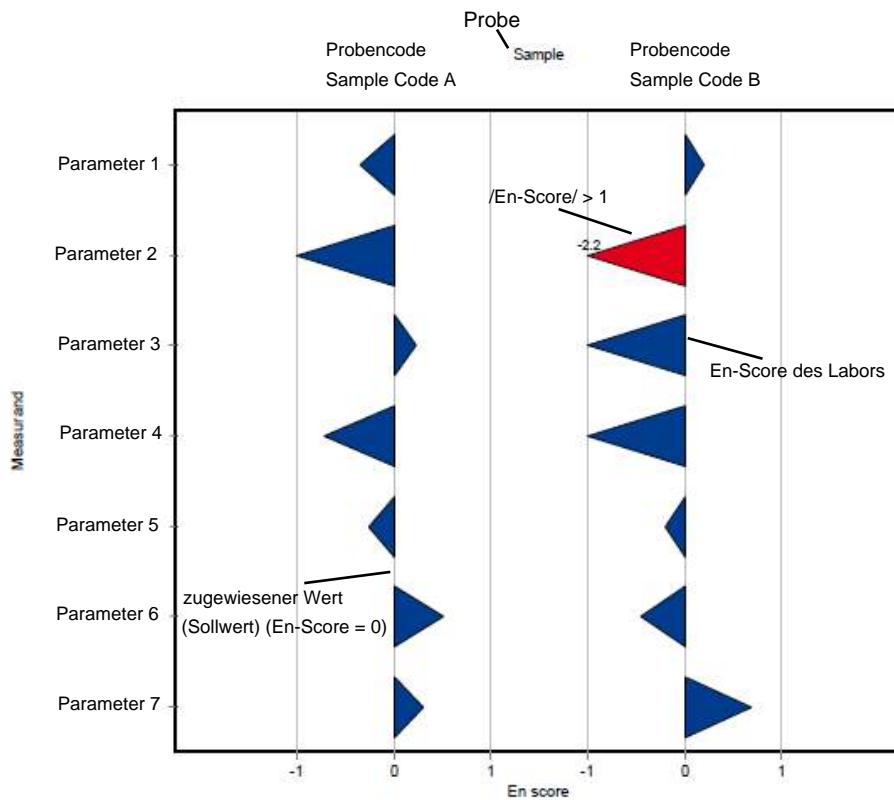
Beispieldiagramm: z-Score



Beispieldiagramm: z-Score (labororientierte Auswertung)



Beispieldiagramm: En-Score (labororientierte Auswertung)



D6. Zusammenfassung

D6.1. Tabelle der zugewiesenen Werte

Parameter	Probe	Einheit	zugewiesener Wert	±	U (k=2)	Kriterium	Kriterium [%]
Ammonium (als NH ₄)	N145 A	mg/l	0.0854	± 0.00237	0.0137	16	
	N145 B	mg/l	0.0891	± 0.00373	0.0143	16	
Bor	N145 A	mg/l	0.0212	± 0.000599	0.00212	10	
	N145 B	mg/l	0.0155	± 0.000684	0.00155	10	
Calcium	N145 A	mg/l	61	± 0.622	2.15	3.5	
	N145 B	mg/l	63.5	± 0.611	2.09	3.3	
Chlorid	N145 A	mg/l	21.7	± 0.152	0.825	3.8	
	N145 B	mg/l	28.2	± 0.219	1.07	3.8	
DOC (berechnet als C)	N145 A	mg/l	0.58	± 0.0472	0.133	23	
	N145 B	mg/l	2.18	± 0.0583	0.21	9.6	
elektr. Leitfähigkeit (25°C)	N145 A	µS/cm	481	± 1.57	6.25	1.3	
	N145 B	µS/cm	498	± 1.43	6.48	1.3	
Gesamt-P (als PO ₄)	N145 A	mg/l	0.649	± 0.0119	0.0577	8.9	
	N145 B	mg/l	0.137	± 0.00336	0.0122	8.9	
Gesamthärte	N145 A	mmol/l	2.29	± 0.0172	0.0618	2.7	
	N145 B	mmol/l	2.2	± 0.0157	0.0595	2.7	
Gesamtstickstoff	N145 A	mg/l	7.48	± 0.238	0.628	8.4	
	N145 B	mg/l	3.04	± 0.0951	0.252	8.3	
Hydrogencarbonat	N145 A	mg/l	157	± 1.09	3.36	2.1	
	N145 B	mg/l	217	± 1.49	4.7	2.2	
Kalium	N145 A	mg/l	1.18	± 0.028	0.094	8	
	N145 B	mg/l	2.43	± 0.0361	0.121	5	
Magnesium	N145 A	mg/l	18.2	± 0.188	0.651	3.6	
	N145 B	mg/l	14.6	± 0.152	0.523	3.6	
Natrium	N145 A	mg/l	6.75	± 0.0891	0.292	4.3	
	N145 B	mg/l	17.4	± 0.211	0.715	4.1	
Nitrat (als NO ₃)	N145 A	mg/l	32.2	± 0.249	1.58	4.9	
	N145 B	mg/l	12.5	± 0.117	0.611	4.9	
Nitrit (als NO ₂)	N145 A	mg/l	0.188	± 0.00184	0.00998	5.3	
	N145 B	mg/l	0.0631	± 0.00126	0.00423	6.7	
Orthophosphat (als PO ₄)	N145 A	mg/l	0.178	± 0.00355	0.0162	9.1	
	N145 B	mg/l	0.122	± 0.00333	0.0111	9.1	
pH-Wert	N145 A	-	7.85	± 0.0288	0.126	1.6	
	N145 B	-	8.13	± 0.0204	0.13	1.6	
Sulfat (als SO ₄)	N145 A	mg/l	57.1	± 0.539	1.89	3.3	
	N145 B	mg/l	30.8	± 0.261	1.02	3.3	
Säurekapazität Ks 4,3	N145 A	mmol/l	2.6	± 0.0146	0.0525	2	
	N145 B	mmol/l	3.57	± 0.0201	0.0725	2	

D6.2. Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Ammonium (als NH ₄)	N145 A	42	5	mg/l	0.0854	± 0.00355	0.07	0.101	0.00767	9
	N145 B	43	5	mg/l	0.0891	± 0.0056	0.06	0.115	0.0122	14
Bor	N145 A	21	6	mg/l	0.0212	± 0.000898	0.0175	0.0237	0.00137	6.5
	N145 B	20	5	mg/l	0.0155	± 0.00103	0.0119	0.019	0.00153	9.9
Calcium	N145 A	48	4	mg/l	61	± 0.934	55	64.9	2.16	3.5
	N145 B	47	5	mg/l	63.5	± 0.917	59	68	2.1	3.3
Chlorid	N145 A	46	5	mg/l	21.7	± 0.228	20.8	22.8	0.515	2.4
	N145 B	48	3	mg/l	28.2	± 0.328	26.3	29.4	0.757	2.7
DOC (berechnet als C)	N145 A	32	5	mg/l	0.58	± 0.0708	0.28	0.86	0.133	23
	N145 B	41	3	mg/l	2.18	± 0.0875	1.73	2.54	0.187	8.6
elektr. Leitfähigkeit (25°C)	N145 A	52	7	µS/cm	481	± 2.35	468	496	5.64	1.2
	N145 B	51	8	µS/cm	498	± 2.15	487	508	5.11	1
Gesamt-P (als PO ₄)	N145 A	36	7	mg/l	0.649	± 0.0178	0.575	0.747	0.0356	5.5
	N145 B	35	8	mg/l	0.137	± 0.00505	0.119	0.16	0.00995	7.2
Gesamthärte	N145 A	44	6	mmol/l	2.29	± 0.0258	2.16	2.41	0.0571	2.5
	N145 B	44	6	mmol/l	2.2	± 0.0236	2.1	2.32	0.0521	2.4
Gesamtstickstoff	N145 A	28	3	mg/l	7.48	± 0.356	6.2	8.97	0.628	8.4
	N145 B	27	3	mg/l	3.04	± 0.143	2.5	3.58	0.247	8.1
Hydrogencarbonat	N145 A	38	6	mg/l	157	± 1.64	149	167	3.36	2.1
	N145 B	40	3	mg/l	217	± 2.23	206	230	4.7	2.2
Kalium	N145 A	45	3	mg/l	1.18	± 0.042	1	1.43	0.0939	8
	N145 B	45	3	mg/l	2.43	± 0.0541	2.17	2.77	0.121	5
Magnesium	N145 A	48	5	mg/l	18.2	± 0.282	16.6	19.9	0.65	3.6
	N145 B	47	6	mg/l	14.6	± 0.229	13.4	15.9	0.523	3.6
Natrium	N145 A	43	5	mg/l	6.75	± 0.134	6.15	7.4	0.292	4.3
	N145 B	46	2	mg/l	17.4	± 0.317	15.8	19	0.716	4.1

Parameter	Probe	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Einheit	Mittelwert	± VB (99%)	Minimum	Maximum	sR	vR [%]
Nitrat (als NO ₃)	N145 A	48	3	mg/l	32.2	± 0.374	30.4	34	0.864	2.7
	N145 B	50	2	mg/l	12.5	± 0.175	11.5	13.6	0.412	3.3
Nitrit (als NO ₂)	N145 A	47	2	mg/l	0.188	± 0.00276	0.175	0.205	0.00631	3.4
	N145 B	45	4	mg/l	0.0631	± 0.00189	0.0511	0.076	0.00423	6.7
Orthophosphat (als PO ₄)	N145 A	36	7	mg/l	0.178	± 0.00533	0.153	0.205	0.0107	6
	N145 B	35	7	mg/l	0.122	± 0.005	0.1	0.146	0.00986	8.1
pH-Wert	N145 A	54	4	-	7.85	± 0.0433	7.6	8.08	0.106	1.4
	N145 B	57	1	-	8.13	± 0.0306	7.89	8.27	0.0769	0.95
Sulfat (als SO ₄)	N145 A	45	4	mg/l	57.1	± 0.809	53.8	61.7	1.81	3.2
	N145 B	45	4	mg/l	30.8	± 0.392	28.9	32.9	0.876	2.8
Säurekapazität Ks 4,3	N145 A	52	5	mmol/l	2.6	± 0.0218	2.47	2.74	0.0525	2
	N145 B	52	4	mmol/l	3.57	± 0.0302	3.37	3.72	0.0725	2

E1. Description of the proficiency test

E1.1. Design and implementation

- Number of registrations: 67
- Number of submitted data records: 66
- Dispatch of samples: 12th February 2019
- Closing date for submission of data: 12th March 2019

The results were submitted electronically by a password-protected online data entry. Upon completion of the data entry, the participant confirmed the complete and correct entry of all data and the authorization of the results for evaluation.

To anonymize results, each laboratory was given a laboratory code on a random basis.

E1.2. Description of the proficiency test items

The sampling of ground water and surface water was carried out on 11th February 2019.

The following samples were made available

- 1 sample ground water (N145 A)
- 1 sample surface water (N145 B)

Both samples were filtered using 0.45 µm membrane disc filters and stored at < 4 °C until further processing. The samples were partly spiked with specific substances.

The samples were filled into bottles under continuous stirring (stirring vessel) and stabilized by cooling and by addition of hydrochloric acid to pH < 2 (for DOC only), respectively.

The homogeneous proficiency test items were dispatched on 12th February 2019.

Each participant received:

- 2 samples each 1250 ml, filled in 2 x 500 ml PET bottles and 1 x 250 ml LDPE bottles (for DOC) respectively.

E1.3. Instructions for the participants

For reasons of stability, it was recommended to start the analysis by the 20th February 2019 at the latest.

The participants are expected to use the test method or measurement method of their choice, which should be consistent with their routine procedures.

E1.4. Control testing for homogeneity evaluation

During filling the bottles, aliquots of each sample were collected randomly for control testing. From each of the samples A and B, n=5 control test samples and n=1 unspiked real water sample were transferred to the laboratory for control testing.

The determination of the parameters Ammonium, Alkalinity K_s 4,3, Nitrite, Orthophosphate, Total-P, Chloride, Nitrate, Sulfate, DOC, Hydrogen carbonate and Total Nitrogen was performed at an external laboratory (accredited by EN ISO/IEC 17025) in subcontract (anonymous submission) and testing was performed close to the time of sample dispatch. All further parameters were tested in the testing laboratory at Environment Agency Austria (Prüfstelle für Umwelt-, GVO- & Treibstoffanalytik) close to the time of sample dispatch.

During evaluation the relative standard deviation between the individual results of the control test samples were assessed by comparison with the reproducibility standard deviation of the actual proficiency test.

In the parameter-oriented evaluation (E7), the results of the control testing are given in the form of arithmetic means of the detected concentrations \pm expanded measurement uncertainty as control test value $\pm U$ (expanded uncertainty, $k=2$).

E1.5. Trend test for stability evaluation

The evaluation of stability of the proficiency test items was performed using the data statistics of the results of previous proficiency testing rounds for real water samples of the period from 2013 to 2018.

The assessment of the stability of the proficiency test items of the current round took place by evaluation of all results of participants sorted by analysis date (until submission deadline): No systematic trends were identified.

Using all results of participants, it was furthermore tested if systematic trends could be detected in the order in which the bottles were filled for the proficiency test: No systematic trends could be identified.

According to the data obtained in course of the previous rounds for real water samples from 2013 to 2018 and based on the trend test evaluation of the actual round the stability of the test items for proficiency testing of real water samples can be confirmed for the recommended analysis period until deadline for submission of data.

E1.6. Determination of the assigned values

The analytical results had to be made available to the organiser not later than 12th March 2019. Any values received at a later date were not considered.

In the course of the plausibility assessment of all received data (e.g. check for correct units, indication of measurement uncertainty, ...) the participants with noticeable results were asked to perform a subsequent data check and to give a prompt feedback within 24 h.

After plausibility assessment an outlier test according to Hampel was performed to identify outliers. Values identified as conspicuous by this outlier test method are marked specifically in the parameter-oriented evaluation ('H').

In justified cases, for instance, when the outlier test according to Hampel is not applicable (e.g. many similar or identical results of the participants or in case of a very limited number of highly scattering results) a different outlier identification method can be applied (e.g. Dean and Dixon outlier test or manual outlier elimination by expert judgement). In such a case, this procedure is documented in section E4 of the report.

Further data evaluation was performed in accordance with DIN ISO 5725-2. A statistical evaluation of proficiency testing data was only carried out if at least 6 valid results per parameter were available. Results < LOQ or < LOD are not included in the calculation for the assigned value.

The assigned values are normally calculated as the mean over all submitted results, after removal of outliers.

In exceptional cases for real water samples might occur, that no assigned value based on participants' results can be calculated and no evaluation of the results of the participants can be made: E.g. if there are very large variations in the participant results ($vR > 50\%$) and/or if the traceability of the calculated mean of all participants after removal of outliers to the mean of control testing is insufficient.

In this case, a clear statement in section E7 of the report is made and all provided statistical data are for information only. In section E4 further information is given, when applicable, for each parameter and proficiency test item. In course of the internal quality measures, the participants can compare their results to the control test values.

E2. Criteria of performance evaluation

E2.1. Performance criterion z-Score

The adjusted average value (after removal of outliers) for all submitted results was used as a basis for the calculation of recovery rates and z-scores.

z-Scores were calculated on the basis of the following formula:

$$z - score = \frac{x_i - \bar{X}}{Criteria}$$

In this context,

x_i	is the measurement value (result) of the participating laboratory;
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4;
Criteria	is the reproducibility standard deviation calculated from previous rounds for proficiency testing for real water samples from 2013 to 2018 (as RSD pooled) or from the participants' results after removal of outliers (sR) in the current round (if less than 6 previous rounds for the parameters of real water samples A and B are available). Where justified (e.g. results for real water samples are close to minimum quantification limit or in case of regulatory requirements) the criteria is defined by expert judgement and the procedure is clearly described in section E4 of the report.

E2.2. Performance criterion E_n-Score

New from 2019 for proficiency testing of real water samples is the additional assessment for the participants' results using E_n-Scores. This additional assessment takes into account the expanded measurement uncertainties of the results of participants and the expanded uncertainty of the assigned value and is provided in the laboratory oriented part of the report (see E8 after the z-scores evaluation).

E_n-Scores were calculated on the basis of the following formula:

$$E_n - score = \frac{x_i - \bar{X}}{\sqrt{U(x_i)^2 + U(\bar{X})^2}}$$

In this context,

x_i	is the measurement value (result) of the participating laboratory;
\bar{X}	assigned value the target value for the assessment of the performance of the participants (3 significant digits), normally the average value of the participants' results after removal of outliers; if this approach is not applicable, the target value is assigned according to the procedure given in section E4;
$U(x_i)$	expanded measurement uncertainty for the result of the participating laboratory
$U(\bar{X})$	expanded measurement uncertainty for the assigned value

E2.3. Performance evaluation z-Score and E_n-Score

Interpretation of z-Scores:

- $|z\text{-Score}| \leq 2.0$ good result
- $2.0 < |z\text{-Score}| < 3.0$ questionable result
- $|z\text{-Score}| \geq 3.0$ not satisfactory result

Note: In case of assessment of the participants' performance by z-scores the measurement uncertainty of the participants' results is not taken into account. The difference between result of participants and the assigned value is evaluated by the criteria.

Interpretation of E_n-Scores:

- $|E_n\text{-Score}| \leq 1.0$ satisfactory performance
- $|E_n\text{-Score}| > 1.0$ not satisfactory performance

Note: In case of assessment of the participants' performance by E_n-Scores the expanded measurement uncertainties for the results and for the assigned values are taken into account. $|E_n\text{-Score}| > 1.0$ might indicate to check the measurement uncertainty estimation or might point out to correct a measurement problem.

E3. Representation and interpretation of measurement results

The parameter-oriented report provides the measurement values (results) including uncertainty ($\pm U$), recovery rate, calculated z-Score and the outliers in tabular form. The results listed in the table are also represented graphically.

The laboratory oriented report shows the results of the individual laboratories (anonymous), including the measurement uncertainty ($\pm U$), recovery rates, z-Scores and additionally evaluation of E_n -Scores on separate pages.

The tables also contain the basis for the data assessment as the assigned values and expanded measurement uncertainties and the criteria.

An annotation of the tables and graphics is given in section E5.

E4. Explanatory notes

As explained in section E2, the z-Score can also be calculated using the reproducibility standard deviation, calculated from the participants' results (after removal of outliers) in the relevant test round. It might occur that the z-Score between -2 and 2 covers a large range of measurement values when the variance of the results is high. On the other hand, the range of good results can be very narrow, when the variation of the participants' results is small.

The recovery rate is calculated for the individual result based on the assigned value and is thus independent of the reproducibility standard deviation. In the case of a high variance of the results, participants should also consider recovery rates as additional criteria to decide on the necessity of internal quality assurance measures.

As a result of a long-term evaluation of 6 proficiency testing rounds (2013 - 2018) in real samples, evaluation criteria (RSDpool) were calculated.

These criteria were compared with the relative reproducibility standard deviation (sR) of the current proficiency testing.

For most of the evaluated parameters in the current proficiency testing round the relative reproducibility standard deviation (vR) was less than 10 % relative to the assigned value. Only parameter DOC in sample N145 A (vR = 23%), as well as the parameter ammonium in sample N145 B (vR = 13.7%) showed higher standard deviations.

For all parameters, that showed less than 10 % reproducibility standard deviation in the current proficiency testing round as well as in the long-term evaluation, the higher criterion was chosen to calculate the z-scores.

Parameter Ammonium, sample N145 A and N145 B: Based on the data available for the long-term evaluation 2013-2018, the criterion for both samples was set to 16 %.

Parameter DOC, sample N145 A: The relative reproducibility standard deviation in the current proficiency testing was 23 %. Due to the low analyte concentration in the real water sample N145 A (assigned value = 0.58 mg/l), the higher actual relative reproducibility standard deviation for this low concentration value was chosen as criterion for data assessment.

E5. Annotations on tables and charts

E5.1. Information and abbreviations in tables

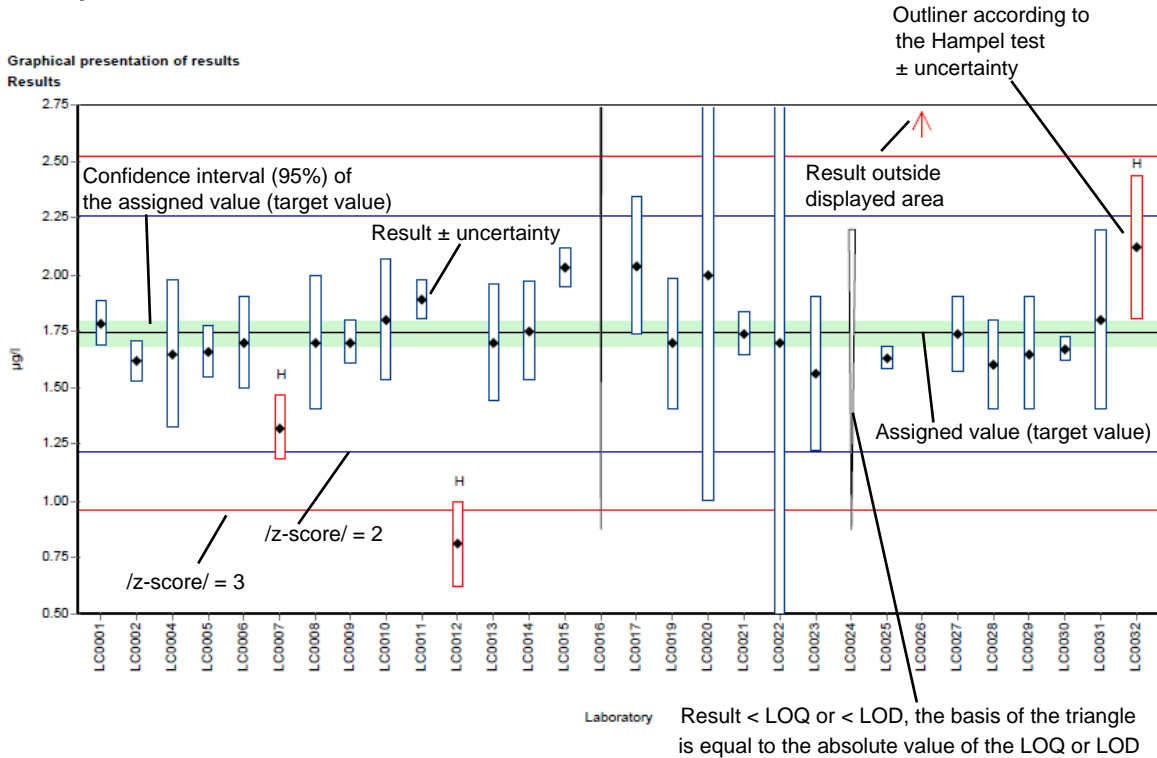
Parameter	Analyte identifier
Sample	Sample identifier
Unit	Given unit for result and uncertainty (e.g. µg/l)
Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criteria	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criteria [%]	Specified value for the determination of the z-score in % of the assigned value (3 significant digits)
Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99 %)	99% confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)
Control test value ± U (k=2)	Mean of control test value ± expanded measurement uncertainty (3 significant digits)
Labcode	Laboratory identifier (anonymized)
Result	Result as indicated by participant (max. 5 decimal places)

± U	uncertainty as indicated by participant (max. 5 decimal places)
LOQ	Limit of quantification
LOD	Limit of detection
Recovery	Recovery rate in % based on assigned value (target value) (3 significant digits, max. one decimal place given)
z-Score	Deviation of result based on the assigned value (target value) given as a multiple of the criteria (3 significant digits, max. 2 decimal places given)
E _n -Score	Deviation of result based on the assigned value (target value) given as a multiple of the combined expanded measurement uncertainty of the participant's results and expanded measurement uncertainty for the assigned value (3 significant digits, max. 2 decimal places given). Note: E _n -Score assessment takes into account the measurement uncertainty of the participants.
-	No data available or no calculation possible
Comments	Comment on the respective result (e.g. H, FN, FP)
H	Outlier according to Hampel-Test
FN	False negative – for a result < LOQ or result < LOD: The absolute value of the LOQ or LOD fulfils the condition of an outlier according to the Hampel test.
FP	False positive – for parameters where no target value is available because of a too low analyte content (n < 6): Result that exceeds the median of the absolute values of the transmitted LOQs or LODs by more than 100 %.
Standard deviation	Reproducibility standard deviation, calculated from the participants results (3 significant digits)
Rel. standard deviation	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, (3 significant digits)
n	Number of results

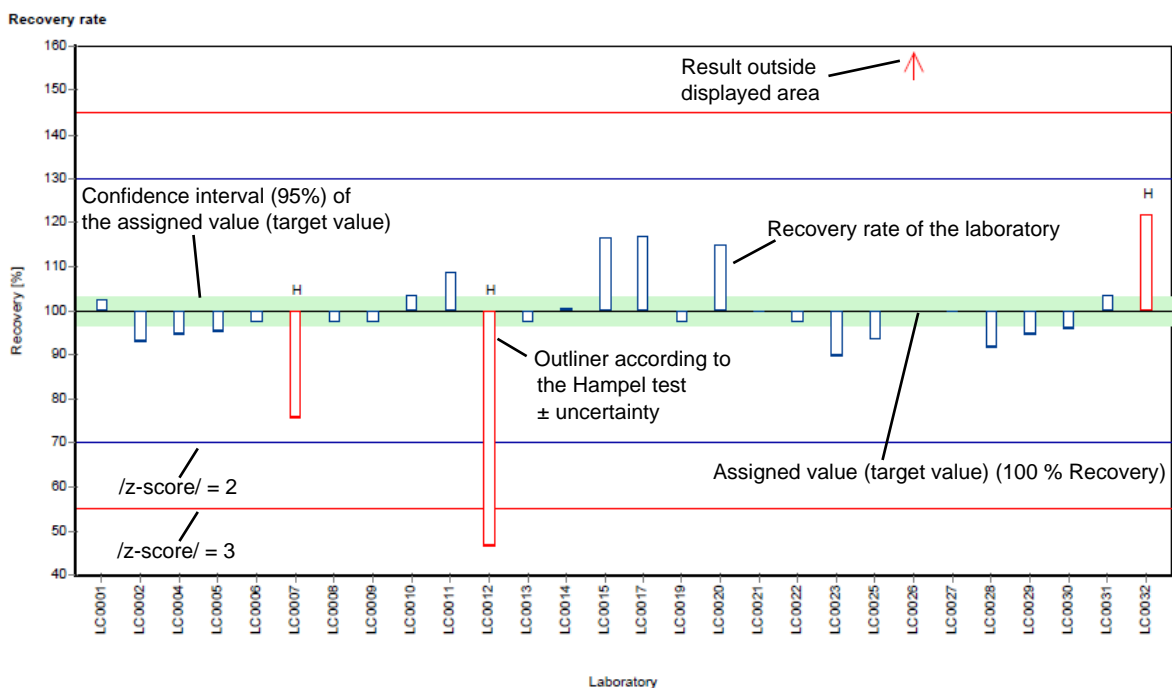
E5.2. Graphical presentation of results

The graphic representation in the report is explained below by means of commented example diagrams:

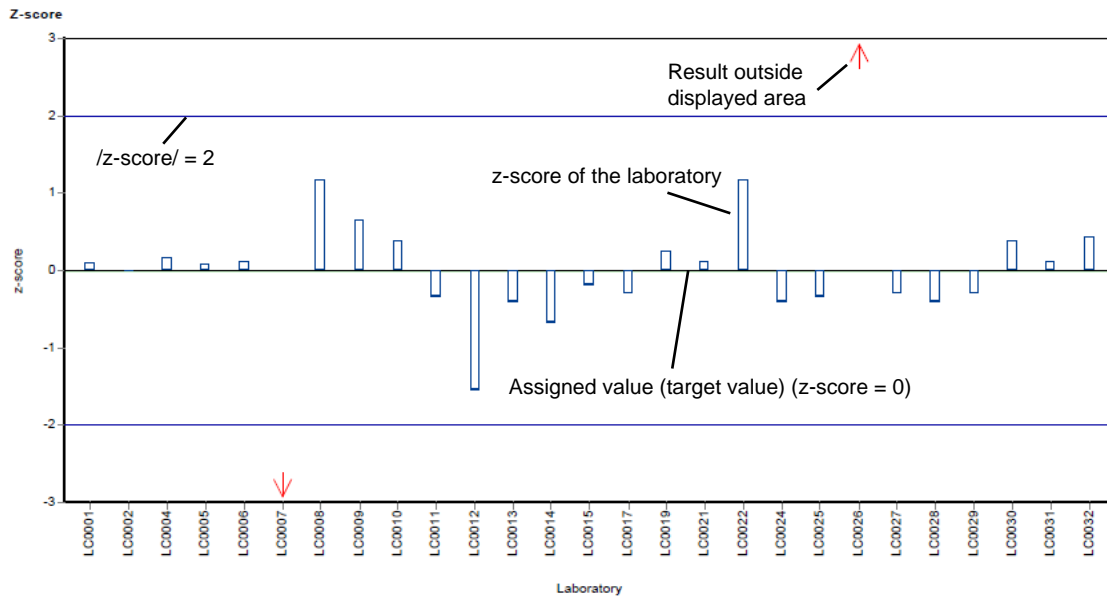
Example chart: Results



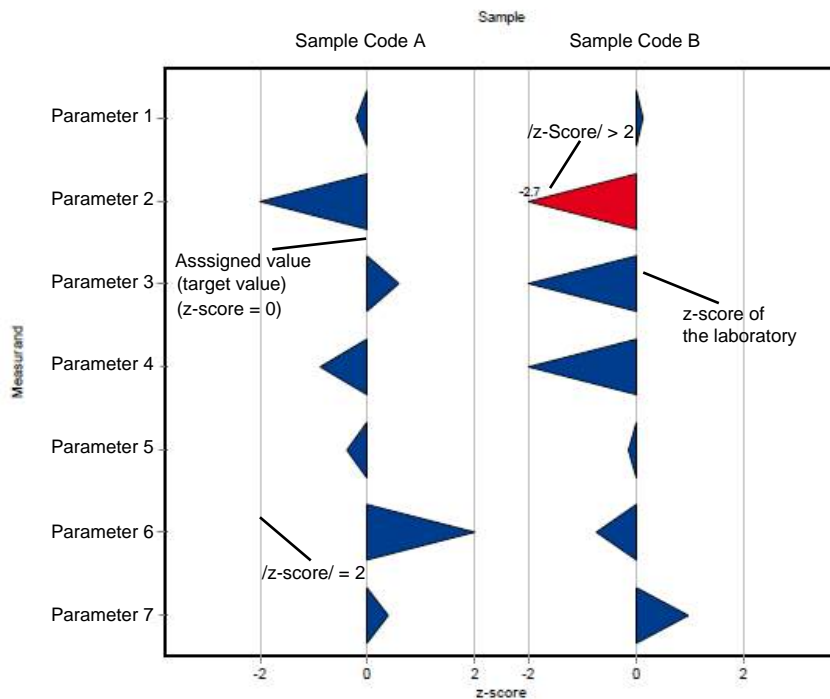
Example chart: Recovery



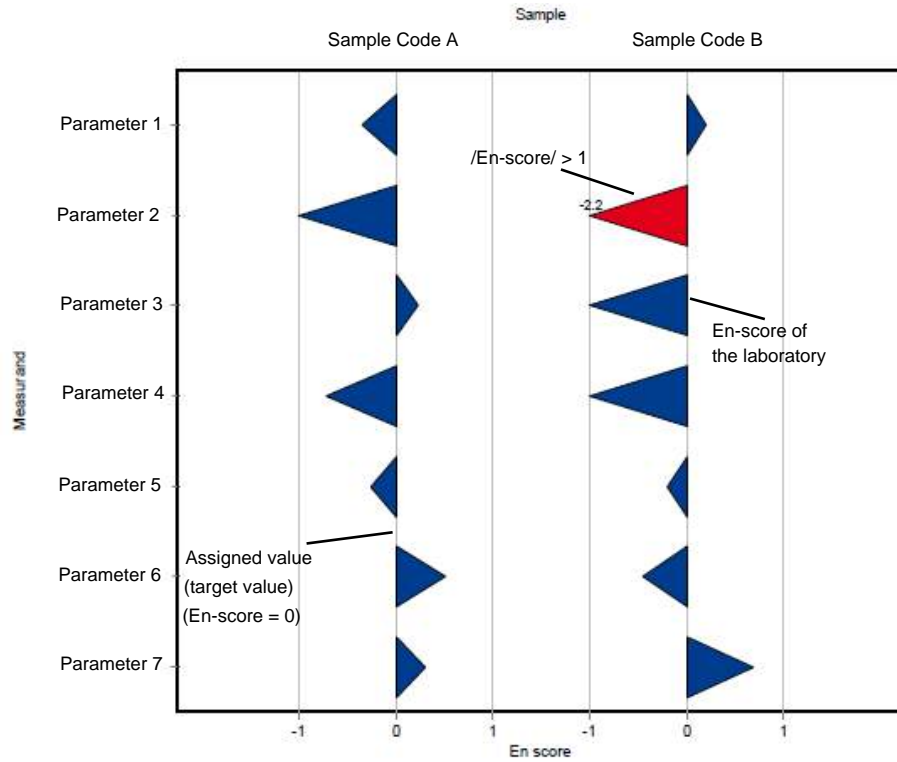
Example chart: z-score



Example chart: z-score (laboratory oriented report)



Example chart: En-score (laboratory oriented report)



E6. Summary

E6.1. Table of assigned values

Parameter	Sample	Unit	Assigned value ± U (k=2)	Criteria	Criteria [%]
Ammonium (as NH ₄)	N145 A	mg/l	0.0854 ± 0.00237	0.0137	16
	N145 B	mg/l	0.0891 ± 0.00373	0.0143	16
Boron	N145 A	mg/l	0.0212 ± 0.000599	0.00212	10
	N145 B	mg/l	0.0155 ± 0.000684	0.00155	10
Calcium	N145 A	mg/l	61 ± 0.622	2.15	3.5
	N145 B	mg/l	63.5 ± 0.611	2.09	3.3
Chloride	N145 A	mg/l	21.7 ± 0.152	0.825	3.8
	N145 B	mg/l	28.2 ± 0.219	1.07	3.8
DOC (as C)	N145 A	mg/l	0.58 ± 0.0472	0.133	23
	N145 B	mg/l	2.18 ± 0.0583	0.21	9.6
El. conductivity (25°C)	N145 A	µS/cm	481 ± 1.57	6.25	1.3
	N145 B	µS/cm	498 ± 1.43	6.48	1.3
Total-P (as PO ₄)	N145 A	mg/l	0.649 ± 0.0119	0.0577	8.9
	N145 B	mg/l	0.137 ± 0.00336	0.0122	8.9
Total hardness	N145 A	mmol/l	2.29 ± 0.0172	0.0618	2.7
	N145 B	mmol/l	2.2 ± 0.0157	0.0595	2.7
Total nitrogen	N145 A	mg/l	7.48 ± 0.238	0.628	8.4
	N145 B	mg/l	3.04 ± 0.0951	0.252	8.3
Hydrogen carbonate	N145 A	mg/l	157 ± 1.09	3.36	2.1
	N145 B	mg/l	217 ± 1.49	4.7	2.2
Potassium	N145 A	mg/l	1.18 ± 0.028	0.094	8
	N145 B	mg/l	2.43 ± 0.0361	0.121	5
Magnesium	N145 A	mg/l	18.2 ± 0.188	0.651	3.6
	N145 B	mg/l	14.6 ± 0.152	0.523	3.6
Sodium	N145 A	mg/l	6.75 ± 0.0891	0.292	4.3
	N145 B	mg/l	17.4 ± 0.211	0.715	4.1
Nitrate (as NO ₃)	N145 A	mg/l	32.2 ± 0.249	1.58	4.9
	N145 B	mg/l	12.5 ± 0.117	0.611	4.9
Nitrite (as NO ₂)	N145 A	mg/l	0.188 ± 0.00184	0.00998	5.3
	N145 B	mg/l	0.0631 ± 0.00126	0.00423	6.7
Orthophosphate (as PO ₄)	N145 A	mg/l	0.178 ± 0.00355	0.0162	9.1
	N145 B	mg/l	0.122 ± 0.00333	0.0111	9.1
pH-value	N145 A	-	7.85 ± 0.0288	0.126	1.6
	N145 B	-	8.13 ± 0.0204	0.13	1.6
Sulfate (as SO ₄)	N145 A	mg/l	57.1 ± 0.539	1.89	3.3
	N145 B	mg/l	30.8 ± 0.261	1.02	3.3
Alkalinity Ks 4,3	N145 A	mmol/l	2.6 ± 0.0146	0.0525	2
	N145 B	mmol/l	3.57 ± 0.0201	0.0725	2

E6.2. Summary of results, after removal of outliers

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Ammonium (as NH ₄)	N145 A	42	5	mg/l	0.0854	± 0.00355	0.07	0.101	0.00767	9
	N145 B	43	5	mg/l	0.0891	± 0.0056	0.06	0.115	0.0122	14
Boron	N145 A	21	6	mg/l	0.0212	± 0.000898	0.0175	0.0237	0.00137	6.5
	N145 B	20	5	mg/l	0.0155	± 0.00103	0.0119	0.019	0.00153	9.9
Calcium	N145 A	48	4	mg/l	61	± 0.934	55	64.9	2.16	3.5
	N145 B	47	5	mg/l	63.5	± 0.917	59	68	2.1	3.3
Chloride	N145 A	46	5	mg/l	21.7	± 0.228	20.8	22.8	0.515	2.4
	N145 B	48	3	mg/l	28.2	± 0.328	26.3	29.4	0.757	2.7
DOC (as C)	N145 A	32	5	mg/l	0.58	± 0.0708	0.28	0.86	0.133	23
	N145 B	41	3	mg/l	2.18	± 0.0875	1.73	2.54	0.187	8.6
El. conductivity (25°C)	N145 A	52	7	µS/cm	481	± 2.35	468	496	5.64	1.2
	N145 B	51	8	µS/cm	498	± 2.15	487	508	5.11	1
Total-P (as PO ₄)	N145 A	36	7	mg/l	0.649	± 0.0178	0.575	0.747	0.0356	5.5
	N145 B	35	8	mg/l	0.137	± 0.00505	0.119	0.16	0.00995	7.2
Total hardness	N145 A	44	6	mmol/l	2.29	± 0.0258	2.16	2.41	0.0571	2.5
	N145 B	44	6	mmol/l	2.2	± 0.0236	2.1	2.32	0.0521	2.4
Total nitrogen	N145 A	28	3	mg/l	7.48	± 0.356	6.2	8.97	0.628	8.4
	N145 B	27	3	mg/l	3.04	± 0.143	2.5	3.58	0.247	8.1
Hydrogen carbonate	N145 A	38	6	mg/l	157	± 1.64	149	167	3.36	2.1
	N145 B	40	3	mg/l	217	± 2.23	206	230	4.7	2.2
Potassium	N145 A	45	3	mg/l	1.18	± 0.042	1	1.43	0.0939	8
	N145 B	45	3	mg/l	2.43	± 0.0541	2.17	2.77	0.121	5
Magnesium	N145 A	48	5	mg/l	18.2	± 0.282	16.6	19.9	0.65	3.6
	N145 B	47	6	mg/l	14.6	± 0.229	13.4	15.9	0.523	3.6
Sodium	N145 A	43	5	mg/l	6.75	± 0.134	6.15	7.4	0.292	4.3
	N145 B	46	2	mg/l	17.4	± 0.317	15.8	19	0.716	4.1
Nitrate (as NO ₃)	N145 A	48	3	mg/l	32.2	± 0.374	30.4	34	0.864	2.7

Parameter	Sample	Number of results for calculation	Number of outliers	Unit	Mean	± CI (99%)	Minimum	Maximum	sR	vR [%]
Nitrate (as NO ₃)	N145 B	50	2	mg/l	12.5	± 0.175	11.5	13.6	0.412	3.3
Nitrite (as NO ₂)	N145 A	47	2	mg/l	0.188	± 0.00276	0.175	0.205	0.00631	3.4
	N145 B	45	4	mg/l	0.0631	± 0.00189	0.0511	0.076	0.00423	6.7
Orthophosphate (as PO ₄)	N145 A	36	7	mg/l	0.178	± 0.00533	0.153	0.205	0.0107	6
	N145 B	35	7	mg/l	0.122	± 0.005	0.1	0.146	0.00986	8.1
pH-value	N145 A	54	4	-	7.85	± 0.0433	7.6	8.08	0.106	1.4
	N145 B	57	1	-	8.13	± 0.0306	7.89	8.27	0.0769	0.95
Sulfate (as SO ₄)	N145 A	45	4	mg/l	57.1	± 0.809	53.8	61.7	1.81	3.2
	N145 B	45	4	mg/l	30.8	± 0.392	28.9	32.9	0.876	2.8
Alkalinity Ks 4,3	N145 A	52	5	mmol/l	2.6	± 0.0218	2.47	2.74	0.0525	2
	N145 B	52	4	mmol/l	3.57	± 0.0302	3.37	3.72	0.0725	2

E7. Parameterorientierte Auswertung / Parameter oriented report

Ammonium (as NH ₄)	34
Boron	44
Calcium.....	54
Chloride	64
DOC (as C).....	74
El. conductivity (25°C)	84
Total-P (as PO ₄)	94
Total hardness.....	104
Total nitrogen.....	114
Hydrogen carbonate	124
Potassium.....	134
Magnesium	144
Sodium	154
Nitrate (as NO ₃)	164
Nitrite (as NO ₂)	174
Orthophosphate (as PO ₄).....	184
pH value	194
Sulfate (as SO ₄)	204
Alkalinity Ks 4,3	214

Parameter oriented report

N145 A

Ammonium (as NH₄)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.0854 ± 0.0137	Assigned value ± U (k=2)	0.0854 ± 0.00237
Minimum - Maximum	0.07 - 0.101	Criterion	0.0137 (16 %)
Control test value ± U	0.0796 ± 0.00557	Minimum - Maximum	0.07 - 0.101
		Control test value ± U (k=2)	0.0796 ± 0.00557

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.078	0.003	91.4	-0.54	
LC0003	0.098	0.003	115	0.93	
LC0004	-	-	-	-	
LC0005	0.0906	0.0013	106	0.38	
LC0006	-	-	-	-	
LC0007	0.085	0.009	99.6	-0.03	
LC0008	0.0832	0.0002	97.5	-0.16	
LC0009	0.12	0.006	141	2.54	H
LC0010	-	-	-	-	
LC0011	0.083	0.011	97.2	-0.17	
LC0012	0.085	0.01	99.6	-0.03	
LC0013	0.091	0.014	107	0.41	
LC0014	0.045	0.0018	52.7	-2.95	H
LC0015	0.073	0.002	85.5	-0.9	
LC0016	0.091	0.015	107	0.41	
LC0017	-	-	-	-	
LC0018	0.09	0.009	105	0.34	
LC0019	0.09	0.0071	105	0.34	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.141	0.049	165	4.07	H
LC0023	-	-	-	-	
LC0024	0.113	0.017	132	2.02	H
LC0025	0.095	0.006	111	0.71	
LC0026	0.076	0.0076	89	-0.69	
LC0027	0.0869	0.009	102	0.11	
LC0028	0.087	2.1	102	0.12	
LC0029	0.101	0.041	118	1.15	
LC0030	0.082	0.008	96.1	-0.25	
LC0031	< 0.066 (LOQ)	-	-	-	
LC0032	0.099	0.0042	116	1	
LC0033	-	-	-	-	
LC0034	0.083	0.014	97.2	-0.17	
LC0035	0.09	0.02	105	0.34	
LC0036	0.0867	0.0043	102	0.1	
LC0037	0.085	0.01	99.6	-0.03	
LC0038	0.086	0.013	101	0.05	
LC0039	< 0.06 (LOQ)	-	-	-	
LC0040	0.099	0.0099	116	1	
LC0041	0.075	0.005	87.9	-0.76	

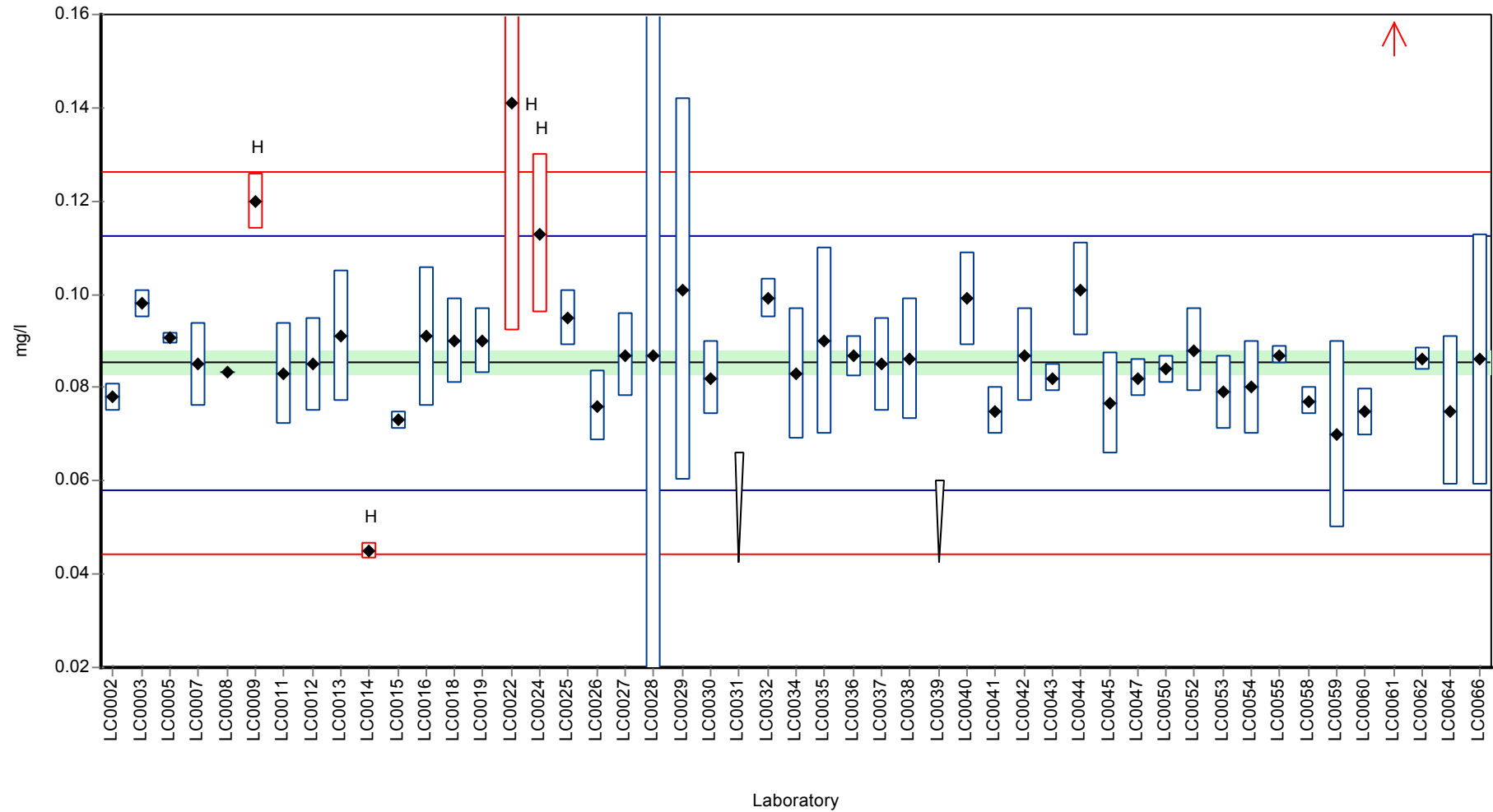
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.087	0.01	102	0.12	
LC0043	0.082	0.003	96.1	-0.25	
LC0044	0.101	0.01	118	1.15	
LC0045	0.0767	0.0108	89.9	-0.63	
LC0046	-	-	-	-	
LC0047	0.082	0.004	96.1	-0.25	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.084	0.003	98.4	-0.1	
LC0051	-	-	-	-	
LC0052	0.088	0.009	103	0.19	
LC0053	0.079	0.008	92.6	-0.47	
LC0054	0.08	0.01	93.7	-0.39	
LC0055	0.087	0.002	102	0.12	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.077	0.003	90.2	-0.61	
LC0059	0.07	0.02	82	-1.12	
LC0060	0.0747	0.0052	87.5	-0.78	
LC0061	0.51	0.321	598	31.1	H
LC0062	0.0861	0.0024	101	0.05	
LC0063	-	-	-	-	
LC0064	0.075	0.016	87.9	-0.76	
LC0065	-	-	-	-	
LC0066	0.086	0.027	101	0.05	
LC0067	-	-	-	-	

Characteristics of parameter

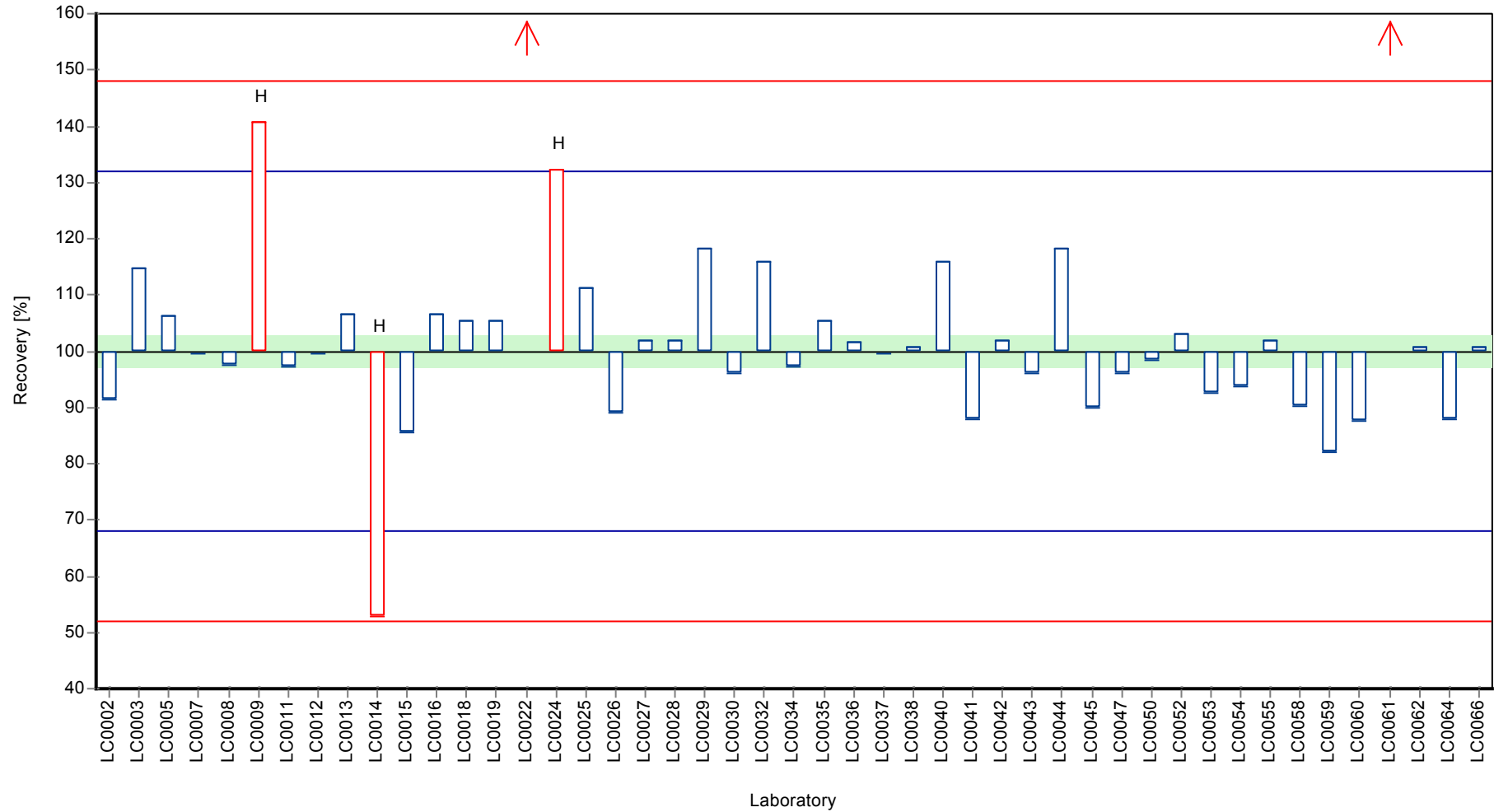
	all results	without outliers	Unit
Mean ± CI (99%)	0.096 ± 0.0277	0.0854 ± 0.00355	mg/l
Minimum	0.045	0.07	mg/l
Maximum	0.51	0.101	mg/l
Standard deviation	0.0633	0.00767	mg/l
rel. standard deviation	65.9	8.99	%
n	47	42	-

Graphical presentation of results

Results



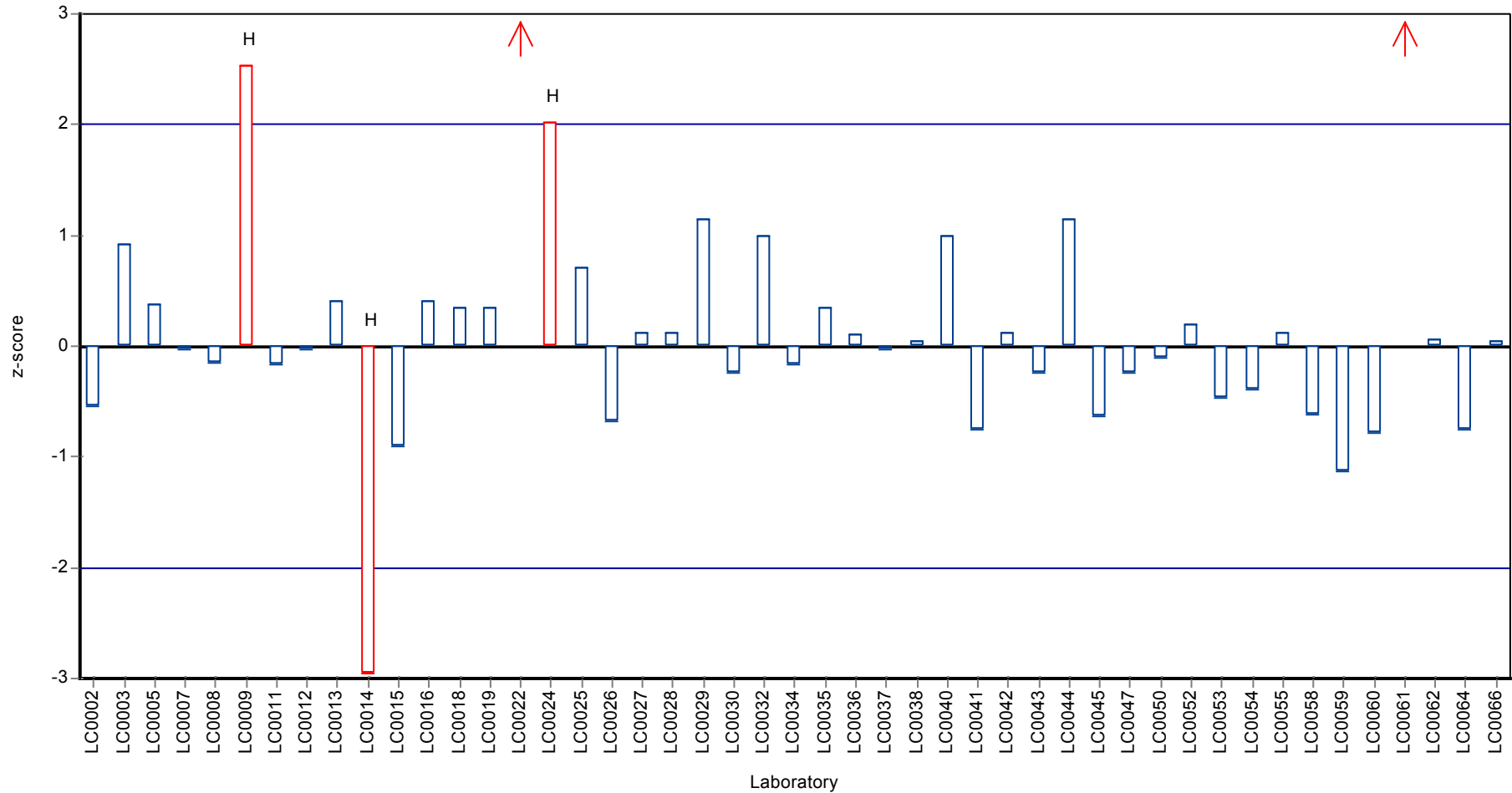
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145A, Parameter: Ammonium (as NH₄)

Z-score



Parameter oriented report

N145 B

Ammonium (as NH₄)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.0891 ± 0.0143	Assigned value ± U (k=2)	0.0891 ± 0.00373
Minimum - Maximum	0.06 - 0.115	Criterion	0.0143 (16 %)
Control test value ± U	0.0858 ± 0.006	Minimum - Maximum	0.06 - 0.115
		Control test value ± U (k=2)	0.0858 ± 0.006

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.082	0.002	92	-0.5	
LC0003	0.1	0.003	112	0.76	
LC0004	-	-	-	-	
LC0005	0.0973	0.0014	109	0.57	
LC0006	-	-	-	-	
LC0007	0.089	0.009	99.9	-0.01	
LC0008	0.0945	0.003	106	0.38	
LC0009	0.105	0.005	118	1.11	
LC0010	-	-	-	-	
LC0011	0.09	0.012	101	0.06	
LC0012	0.095	0.01	107	0.41	
LC0013	0.083	0.012	93.1	-0.43	
LC0014	0.033	0.001	37	-3.94	H
LC0015	0.08	0.001	89.8	-0.64	
LC0016	0.112	0.018	126	1.6	
LC0017	-	-	-	-	
LC0018	0.09	0.009	101	0.06	
LC0019	0.092	0.0073	103	0.2	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.14	0.049	157	3.57	H
LC0023	-	-	-	-	
LC0024	0.113	0.017	127	1.67	
LC0025	0.085	0.005	95.4	-0.29	
LC0026	0.082	0.0082	92	-0.5	
LC0027	0.0913	0.009	102	0.15	
LC0028	0.076	2.1	85.3	-0.92	
LC0029	0.11	0.045	123	1.46	
LC0030	0.087	0.009	97.6	-0.15	
LC0031	0.125	0.049	140	2.52	H
LC0032	0.09	0.0038	101	0.06	
LC0033	-	-	-	-	
LC0034	0.075	0.012	84.2	-0.99	
LC0035	0.095	0.02	107	0.41	
LC0036	0.0867	0.0043	97.3	-0.17	
LC0037	0.054	0.006	60.6	-2.46	H
LC0038	0.092	0.014	103	0.2	
LC0039	< 0.06 (LOQ)	-	-	-	
LC0040	0.105	0.0105	118	1.11	
LC0041	0.069	0.005	77.4	-1.41	

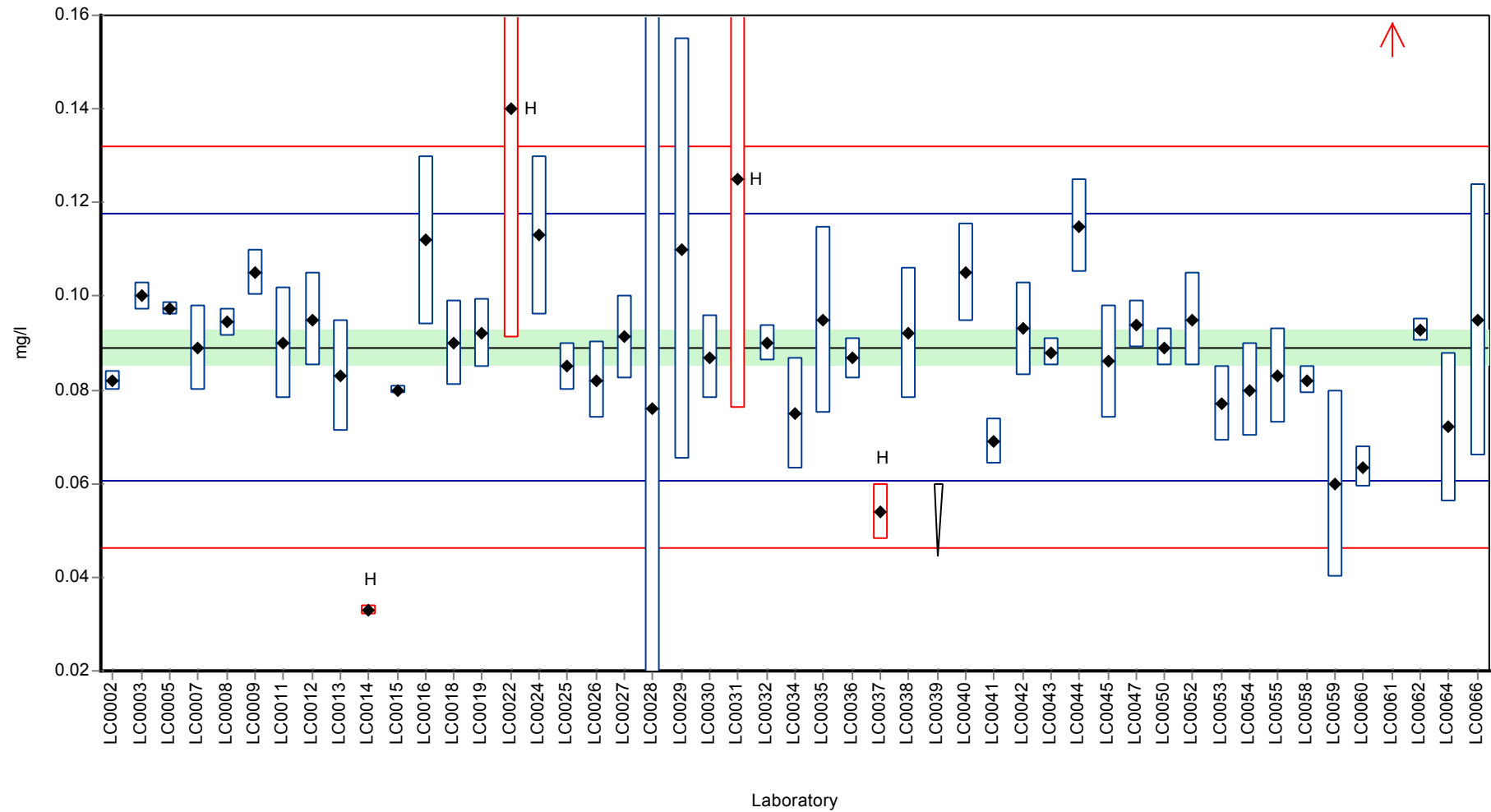
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.093	0.01	104	0.27	
LC0043	0.088	0.003	98.7	-0.08	
LC0044	0.115	0.01	129	1.81	
LC0045	0.0861	0.0121	96.6	-0.21	
LC0046	-	-	-	-	
LC0047	0.094	0.005	105	0.34	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.089	0.004	99.9	-0.01	
LC0051	-	-	-	-	
LC0052	0.095	0.01	107	0.41	
LC0053	0.077	0.008	86.4	-0.85	
LC0054	0.08	0.01	89.8	-0.64	
LC0055	0.083	0.01	93.1	-0.43	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.082	0.003	92	-0.5	
LC0059	0.06	0.02	67.3	-2.04	
LC0060	0.0635	0.0044	71.3	-1.8	
LC0061	0.465	0.281	522	26.4	H
LC0062	0.0927	0.0025	104	0.25	
LC0063	-	-	-	-	
LC0064	0.072	0.016	80.8	-1.2	
LC0065	-	-	-	-	
LC0066	0.095	0.029	107	0.41	
LC0067	-	-	-	-	

Characteristics of parameter

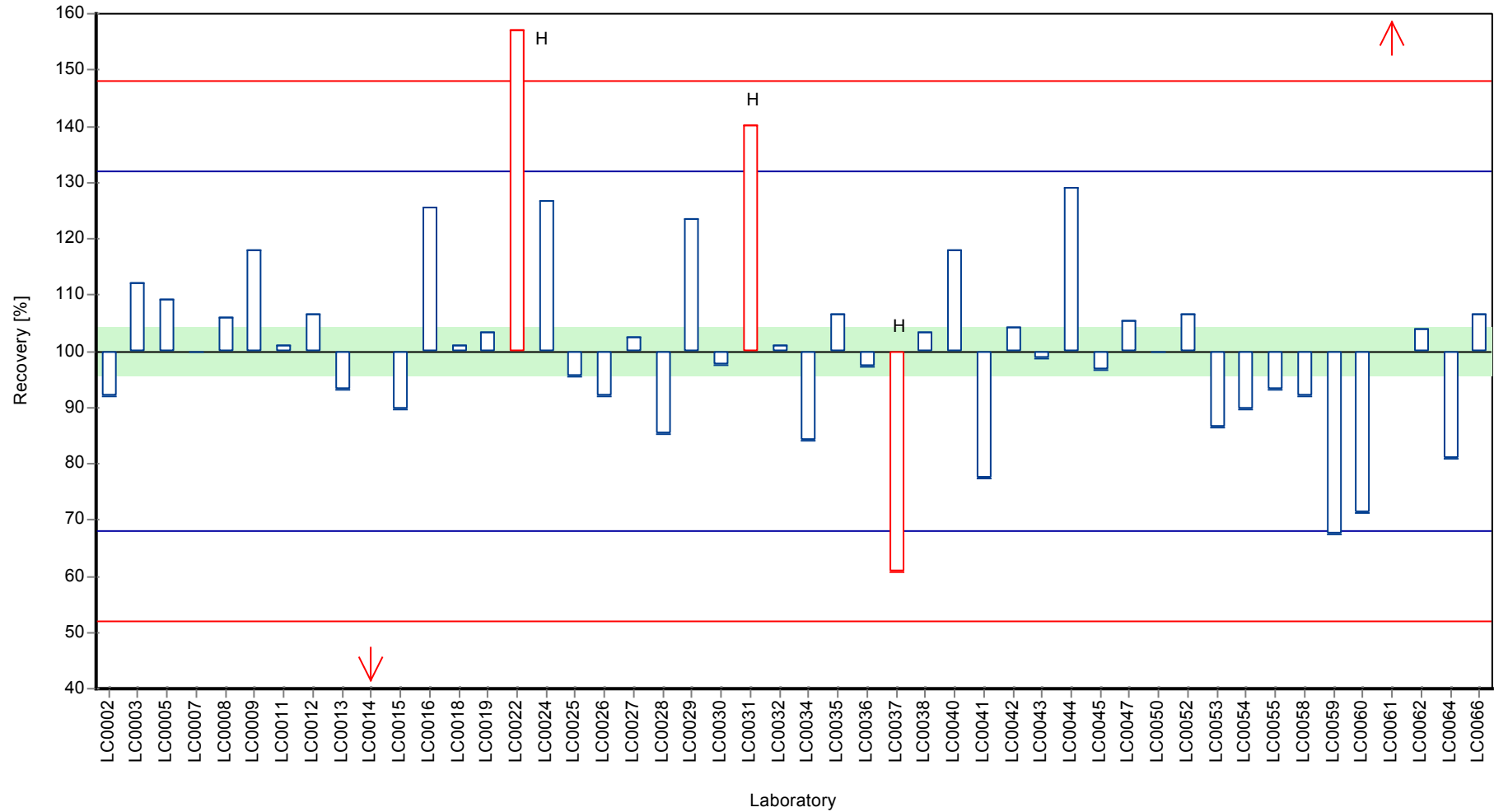
	all results	without outliers	Unit
Mean ± CI (99%)	0.0969 ± 0.0247	0.0891 ± 0.0056	mg/l
Minimum	0.033	0.06	mg/l
Maximum	0.465	0.115	mg/l
Standard deviation	0.057	0.0122	mg/l
rel. standard deviation	58.9	13.7	%
n	48	43	-

Graphical presentation of results

Results



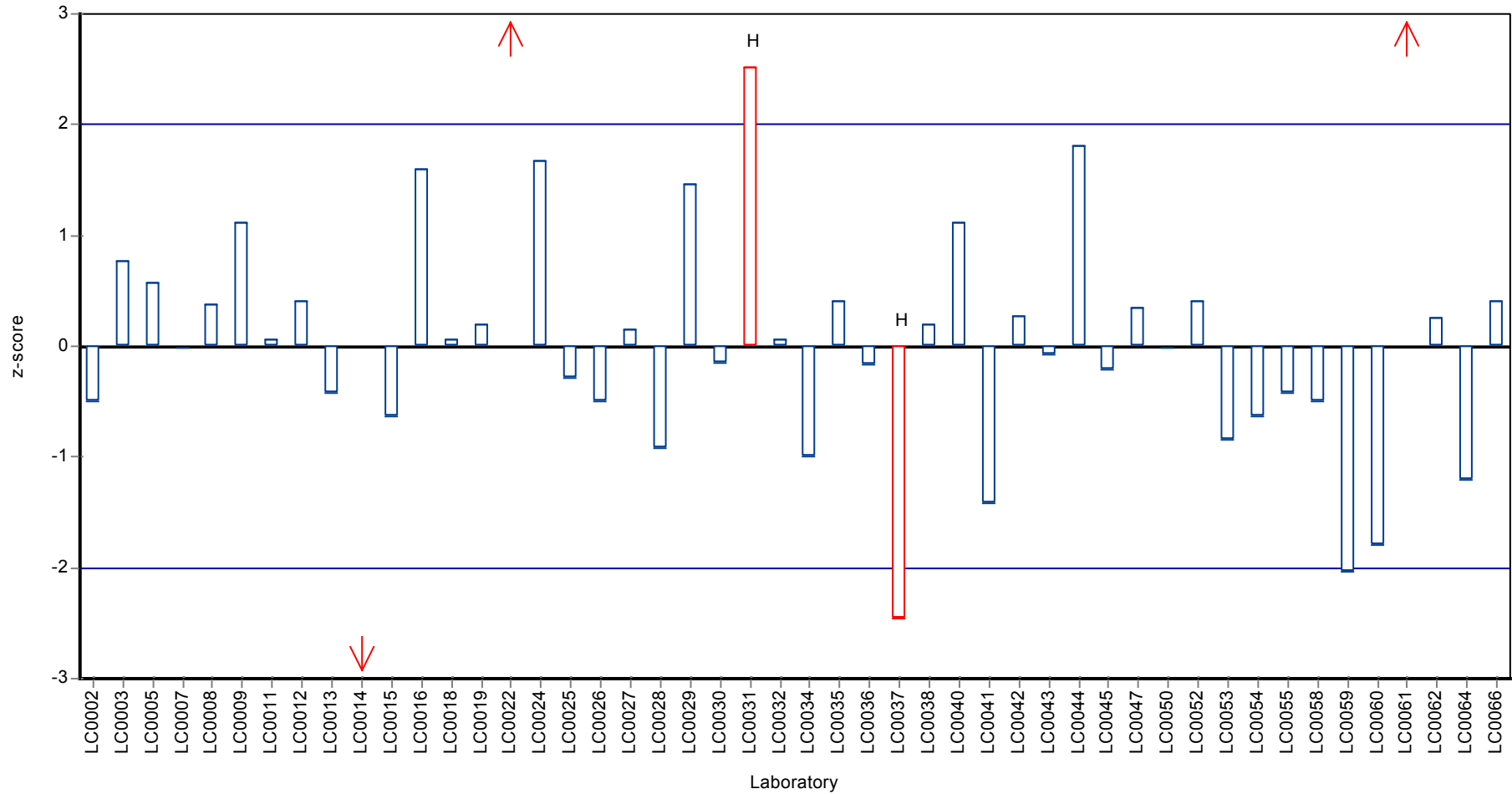
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145B, Parameter: Ammonium (as NH₄)

Z-score



Parameter oriented report

N145 A

Boron

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.0212 ± 0.00212	Assigned value ± U (k=2)	0.0212 ± 0.000599
Minimum - Maximum	0.0175 - 0.0237	Criterion	0.00212 (10 %)
Control test value ± U	0.0221 ± 0.00158	Minimum - Maximum	0.0175 - 0.0237
		Control test value ± U (k=2)	0.0221 ± 0.00158

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.0237	0.0002	112	1.18	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.0221	0.0006	104	0.42	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.02	0.01	94.3	-0.57	
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	0.091	0.005	429	32.9	H
LC0015	-	-	-	-	
LC0016	0.022	0.004	104	0.38	
LC0017	-	-	-	-	
LC0018	0.023	0.0012	108	0.85	
LC0019	0.021	0.0029	99.1	-0.09	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	0.062	0.007	292	19.2	H
LC0025	0.021	0.005	99.1	-0.09	
LC0026	0.027	0.0032	127	2.74	H
LC0027	-	-	-	-	
LC0028	0.0175	0.8	82.5	-1.75	
LC0029	0.0216	0.0015	102	0.19	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.0202	0.001	95.3	-0.47	
LC0037	0.021	0.002	99.1	-0.09	
LC0038	0.03	0.005	142	4.15	H
LC0039	0.02142	0.0022	101	0.1	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

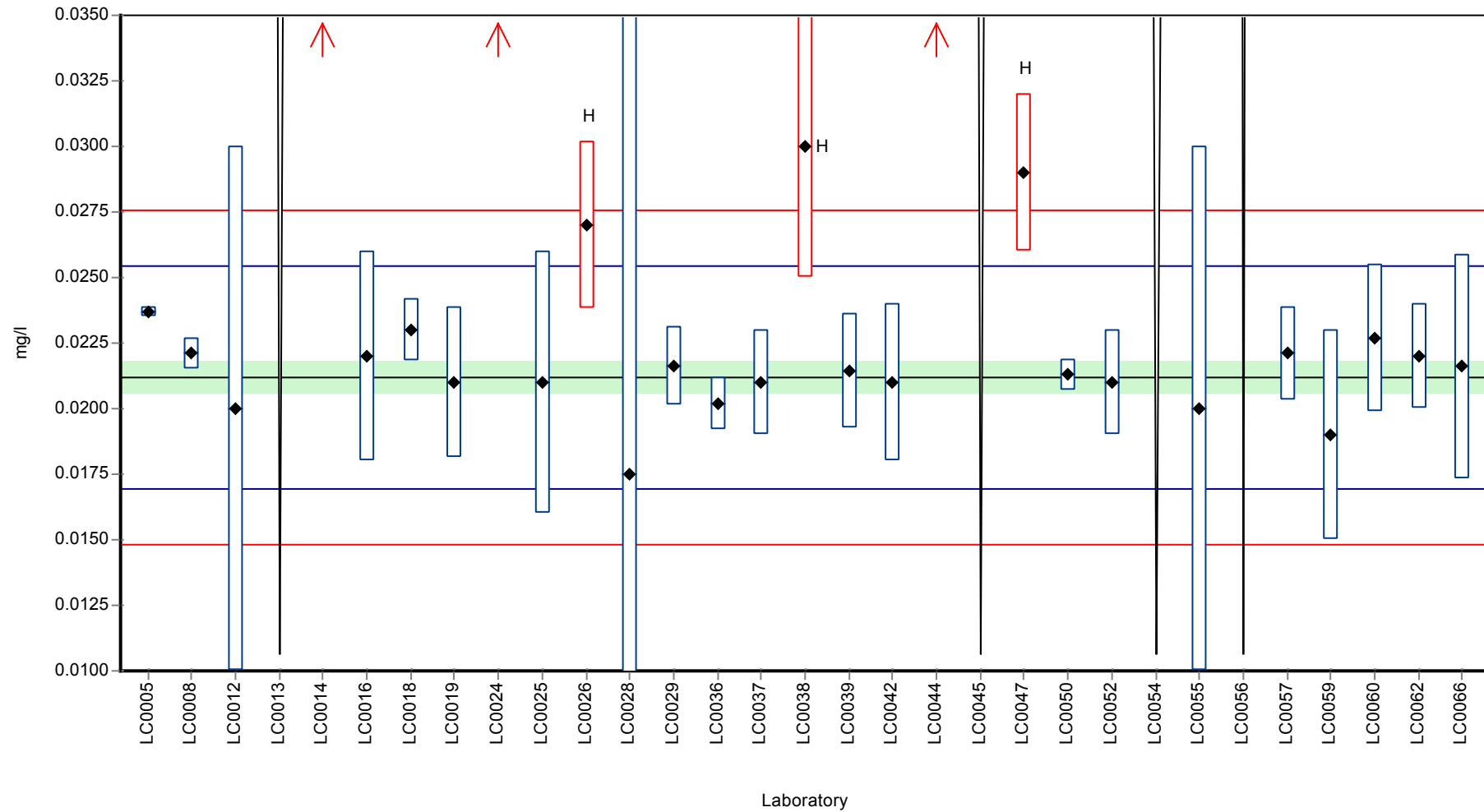
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.021	0.003	99.1	-0.09	
LC0043	-	-	-	-	
LC0044	0.04	0.004	189	8.87	H
LC0045	< 0.05 (LOQ)	-	-	-	
LC0046	-	-	-	-	
LC0047	0.029	0.003	137	3.68	H
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.0213	0.0006	100	0.05	
LC0051	-	-	-	-	
LC0052	0.021	0.002	99.1	-0.09	
LC0053	-	-	-	-	
LC0054	< 0.04 (LOQ)	-	-	-	
LC0055	0.02	0.01	94.3	-0.57	
LC0056	< 0.1 (LOQ)	-	-	-	
LC0057	0.0221	0.0018	104	0.42	
LC0058	-	-	-	-	
LC0059	0.019	0.004	89.6	-1.04	
LC0060	0.0227	0.0028	107	0.71	
LC0061	-	-	-	-	
LC0062	0.022	0.002	104	0.38	
LC0063	-	-	-	-	
LC0064	-	-	-	-	
LC0065	-	-	-	-	
LC0066	0.0216	0.0043	102	0.19	
LC0067	-	-	-	-	

Characteristics of parameter

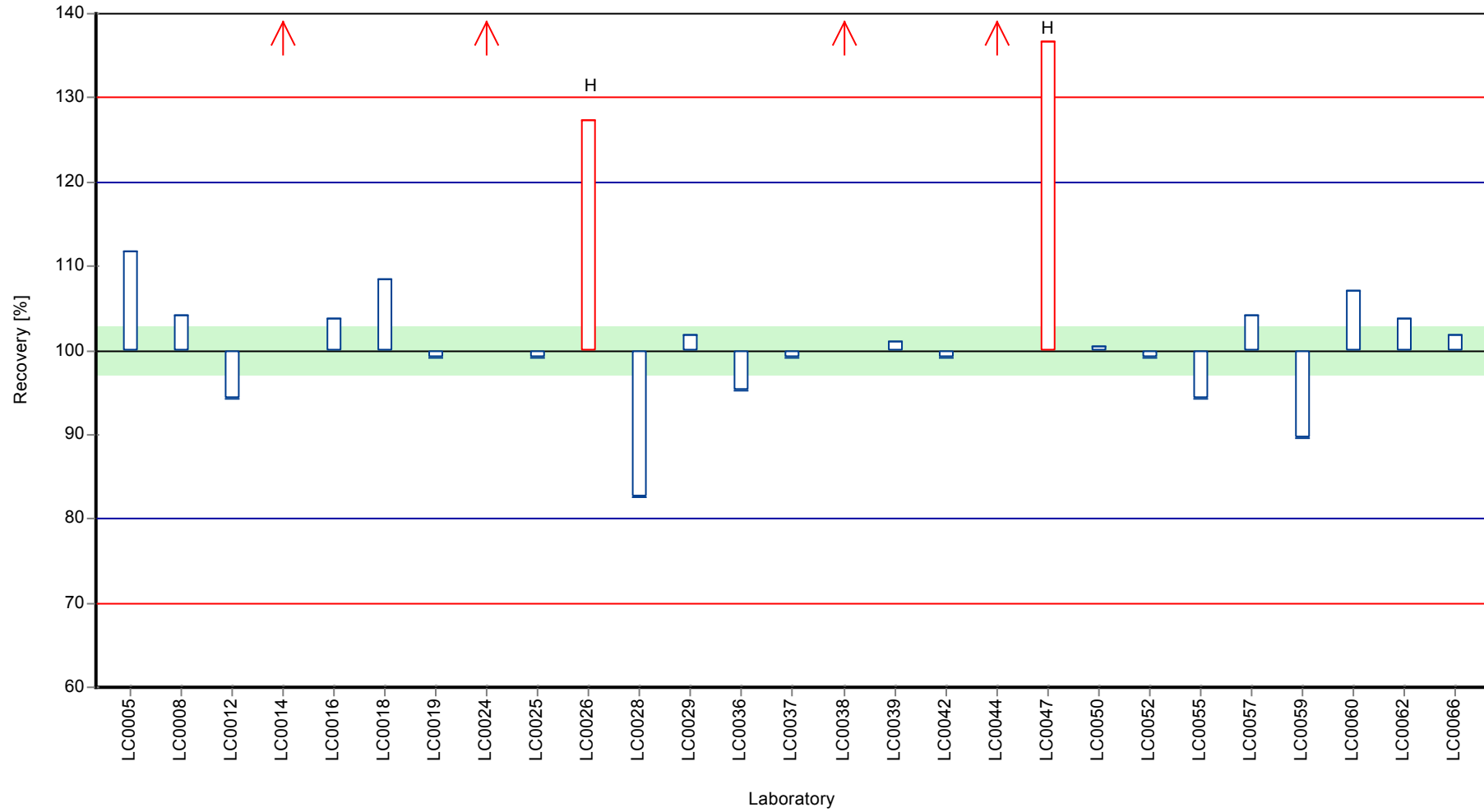
	all results	without outliers	Unit
Mean ± CI (99%)	0.0268 ± 0.00895	0.0212 ± 0.000898	mg/l
Minimum	0.0175	0.0175	mg/l
Maximum	0.091	0.0237	mg/l
Standard deviation	0.0155	0.00137	mg/l
rel. standard deviation	57.8	6.47	%
n	27	21	-

Graphical presentation of results

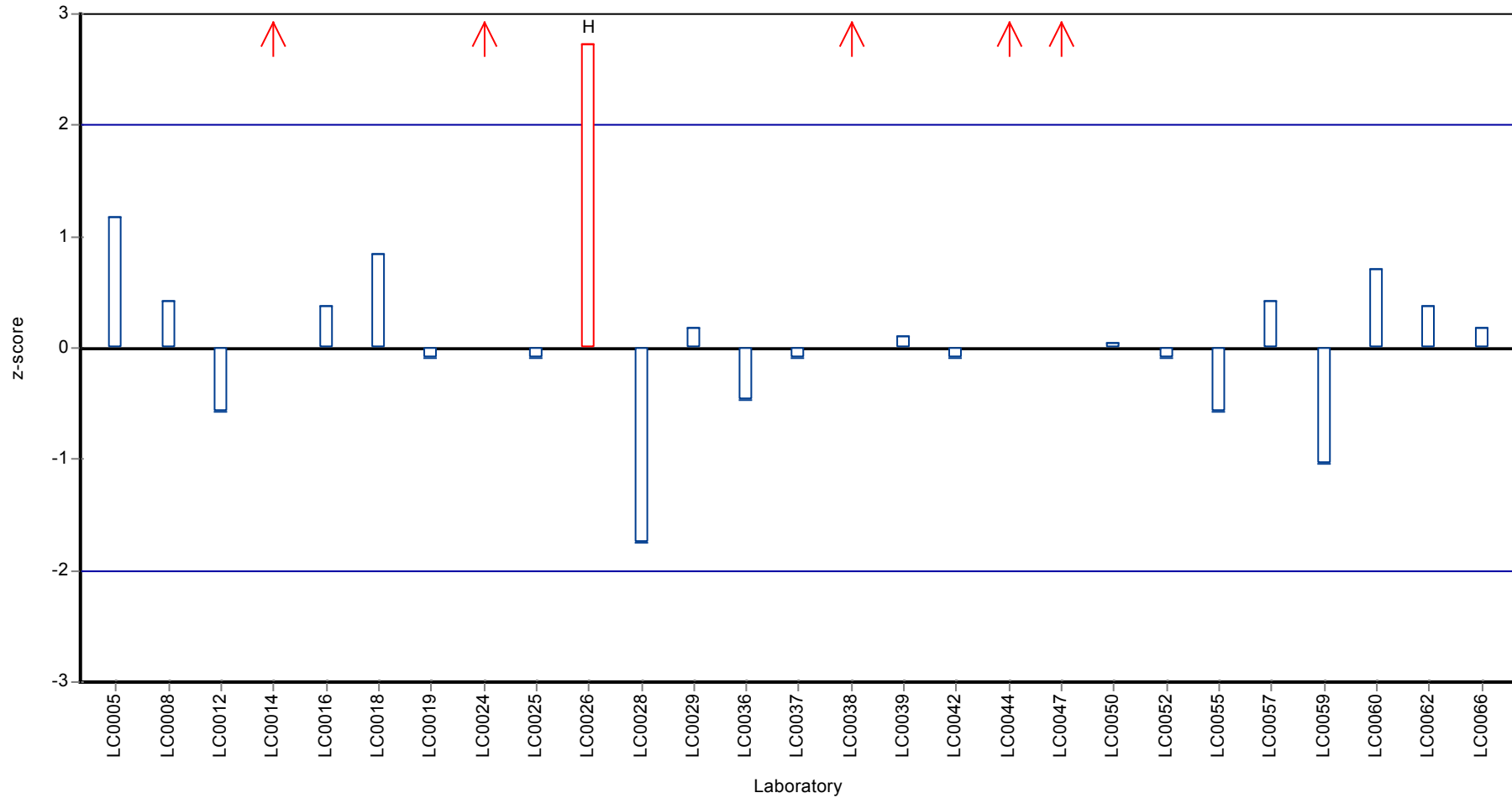
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Boron

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.0155 ± 0.00155	Assigned value ± U (k=2)	0.0155 ± 0.000684
Minimum - Maximum	0.0119 - 0.019	Criterion	0.00155 (10 %)
Control test value ± U	0.0161 ± 0.00117	Minimum - Maximum	0.0119 - 0.019
		Control test value ± U (k=2)	0.0161 ± 0.00117

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.0167	0.0001	108	0.77	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	0.0149	0.0006	96.1	-0.39	
LC0009	-	-	-	-	
LC0010	-	-	-	-	
LC0011	-	-	-	-	
LC0012	0.03	0.01	193	9.35	H
LC0013	< 0.05 (LOQ)	-	-	-	
LC0014	0.097	0.006	626	52.6	H
LC0015	-	-	-	-	
LC0016	< 0.02 (LOQ)	-	-	-	
LC0017	-	-	-	-	
LC0018	0.016	0.008	103	0.32	
LC0019	0.016	0.0022	103	0.32	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	0.042	0.005	271	17.1	H
LC0025	0.015	0.004	96.7	-0.33	
LC0026	0.019	0.0023	123	2.26	
LC0027	-	-	-	-	
LC0028	0.0119	0.8	76.8	-2.33	
LC0029	0.0154	0.0011	99.3	-0.07	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.0151	0.0008	97.4	-0.26	
LC0037	0.016	0.001	103	0.32	
LC0038	0.018	0.003	116	1.61	
LC0039	0.01516	0.0016	97.8	-0.22	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

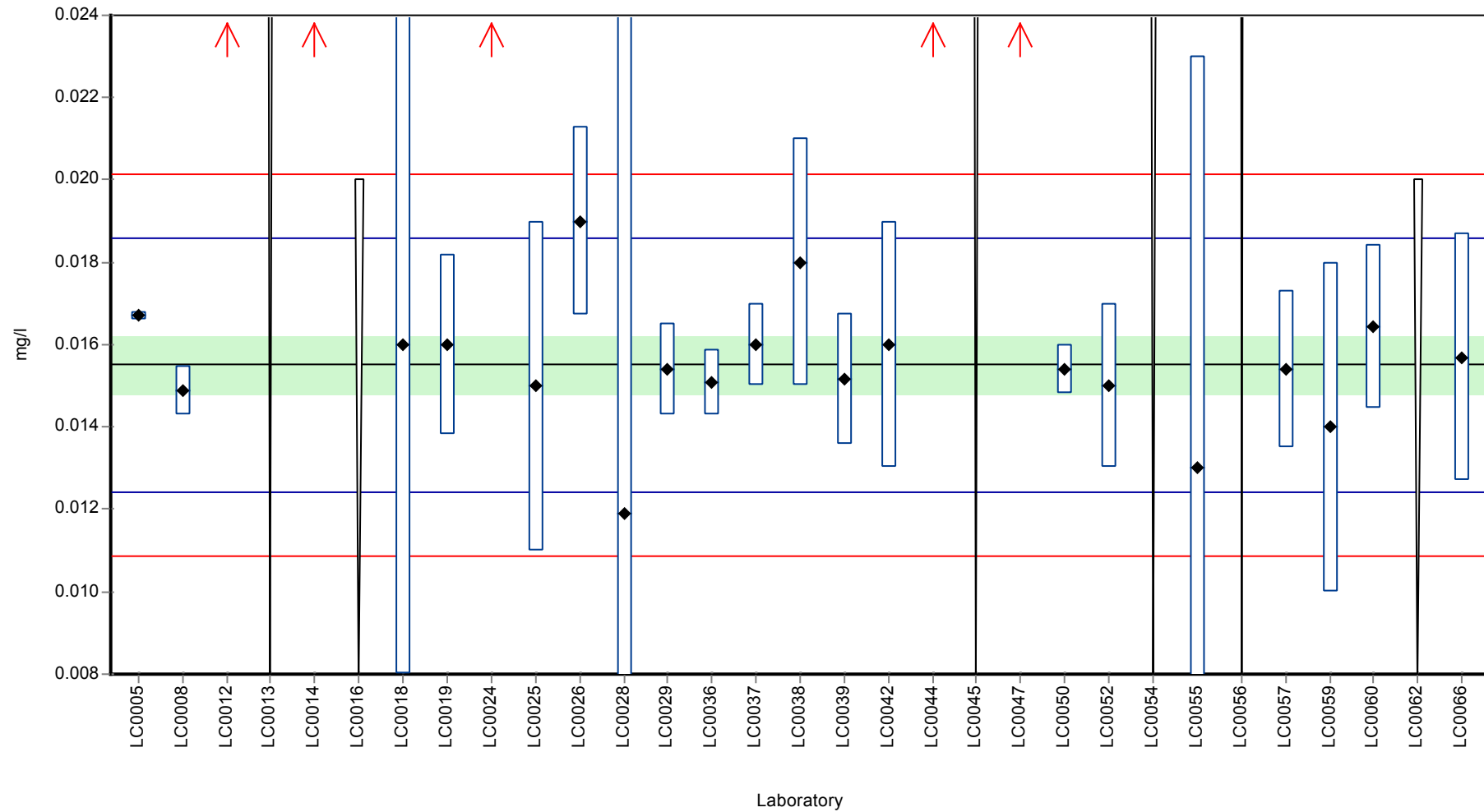
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.016	0.003	103	0.32	
LC0043	-	-	-	-	
LC0044	0.046	0.005	297	19.7	H
LC0045	< 0.05 (LOQ)	-	-	-	
LC0046	-	-	-	-	
LC0047	0.027	0.003	174	7.42	H
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.0154	0.0006	99.3	-0.07	
LC0051	-	-	-	-	
LC0052	0.015	0.002	96.7	-0.33	
LC0053	-	-	-	-	
LC0054	< 0.04 (LOQ)	-	-	-	
LC0055	0.013	0.01	83.8	-1.62	
LC0056	< 0.1 (LOQ)	-	-	-	
LC0057	0.0154	0.0019	99.3	-0.07	
LC0058	-	-	-	-	
LC0059	0.014	0.004	90.3	-0.97	
LC0060	0.01643	0.002	106	0.6	
LC0061	-	-	-	-	
LC0062	< 0.02 (LOQ)	-	-	-	
LC0063	-	-	-	-	
LC0064	-	-	-	-	
LC0065	-	-	-	-	
LC0066	0.0157	0.003	101	0.13	
LC0067	-	-	-	-	

Characteristics of parameter

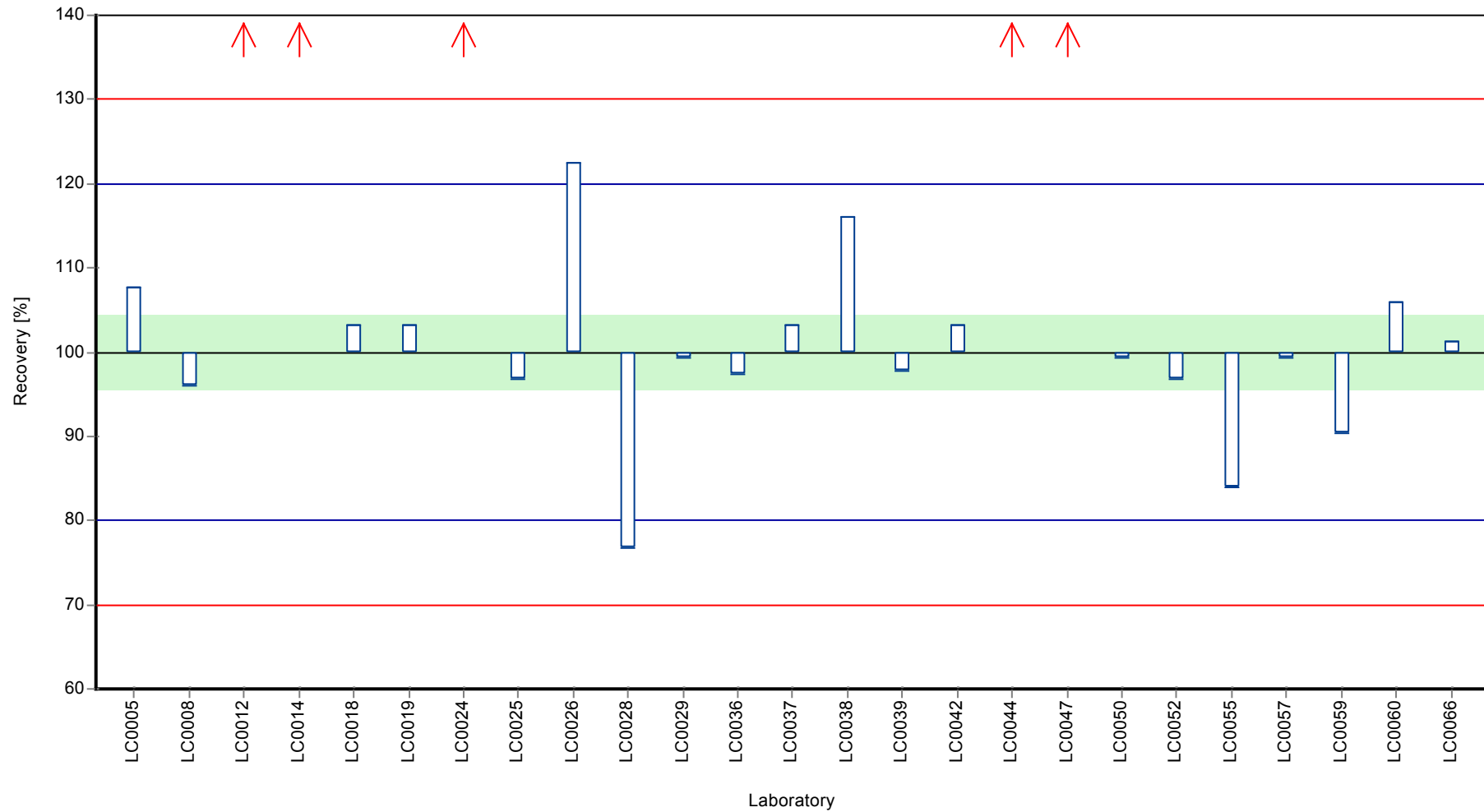
	all results	without outliers	Unit
Mean ± CI (99%)	0.0221 ± 0.0107	0.0155 ± 0.00103	mg/l
Minimum	0.0119	0.0119	mg/l
Maximum	0.097	0.019	mg/l
Standard deviation	0.0178	0.00153	mg/l
rel. standard deviation	80.5	9.87	%
n	25	20	-

Graphical presentation of results

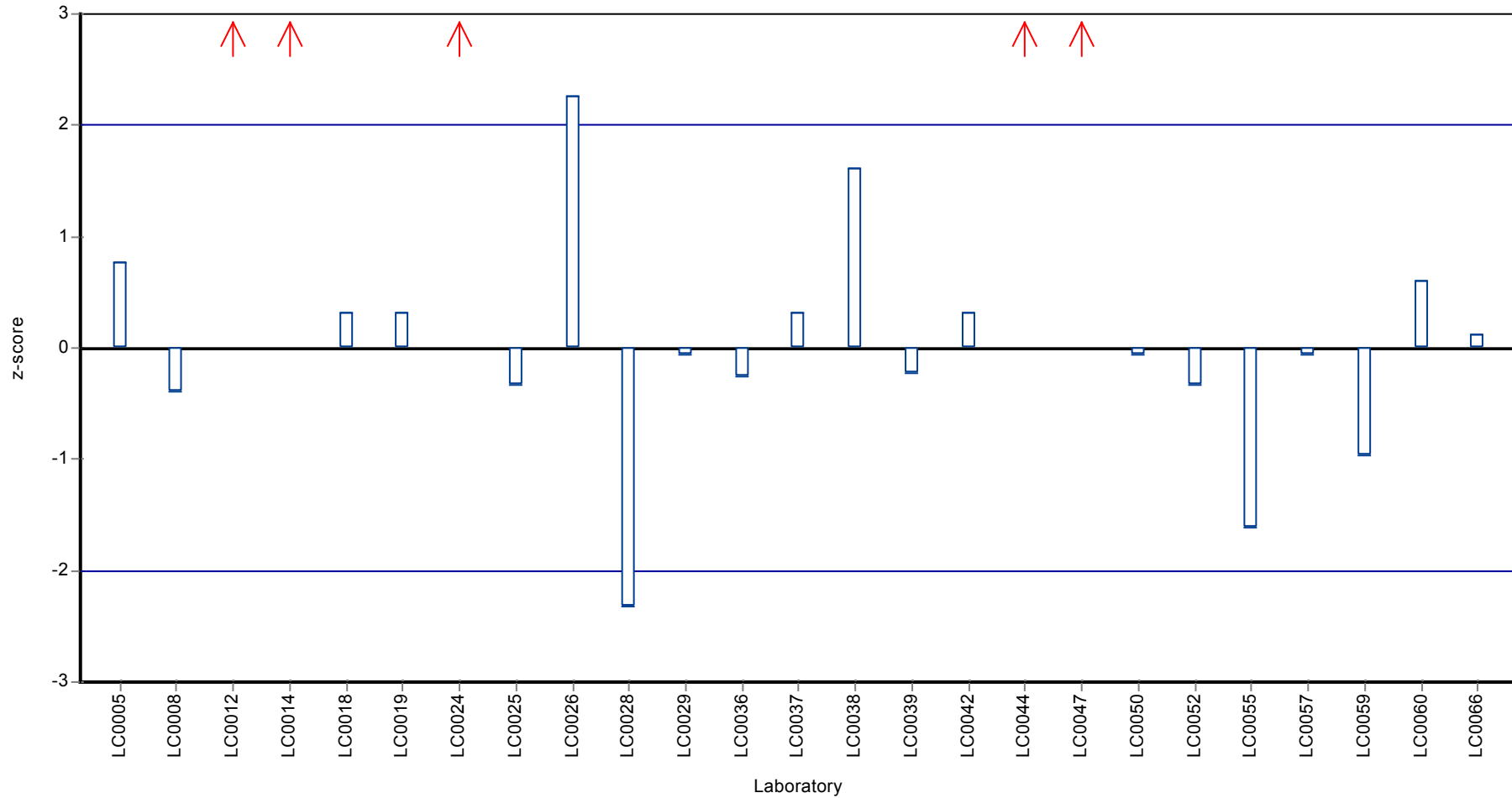
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Calcium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	61 ± 2.15	Assigned value ± U (k=2)	61 ± 0.622
Minimum - Maximum	55 - 64.9	Criterion	2.15 (3.5 %)
Control test value ± U	58.9 ± 5.71	Minimum - Maximum	55 - 64.9
		Control test value ± U (k=2)	58.9 ± 5.71

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	58.37	1.4	95.6	-1.24	
LC0004	-	-	-	-	
LC0005	63.7	0.416	104	1.24	
LC0006	-	-	-	-	
LC0007	60.5	6.1	99.1	-0.25	
LC0008	60.28	0.856	98.8	-0.35	
LC0009	63.04	3.15	103	0.93	
LC0010	-	-	-	-	
LC0011	61.5	5	101	0.21	
LC0012	60	2	98.3	-0.48	
LC0013	64.3	4.5	105	1.51	
LC0014	60.6	3.1	99.3	-0.2	
LC0015	57.2	0.1404	93.7	-1.78	
LC0016	61.9	2.9	101	0.4	
LC0017	-	-	-	-	
LC0018	60.4	3	99	-0.29	
LC0019	63.3	9.68	104	1.05	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	64.7	5.22	106	1.7	
LC0025	58.7	2	96.2	-1.08	
LC0026	61.31	2.452	100	0.13	
LC0027	63.3	3.17	104	1.05	
LC0028	55	12	90.1	-2.8	
LC0029	61.6	6.2	101	0.26	
LC0030	62.65	6.2	103	0.75	
LC0031	68.633	0.633	112	3.53	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	61.1	2.38	100	0.03	
LC0035	61	6	99.9	-0.02	
LC0036	61.18	3.059	100	0.07	
LC0037	59	3.5	96.7	-0.94	
LC0038	61.4	9.2	101	0.17	
LC0039	60.49	3.01	99.1	-0.25	
LC0040	64.9	3.89	106	1.79	
LC0041	57.3	5.2	93.9	-1.73	

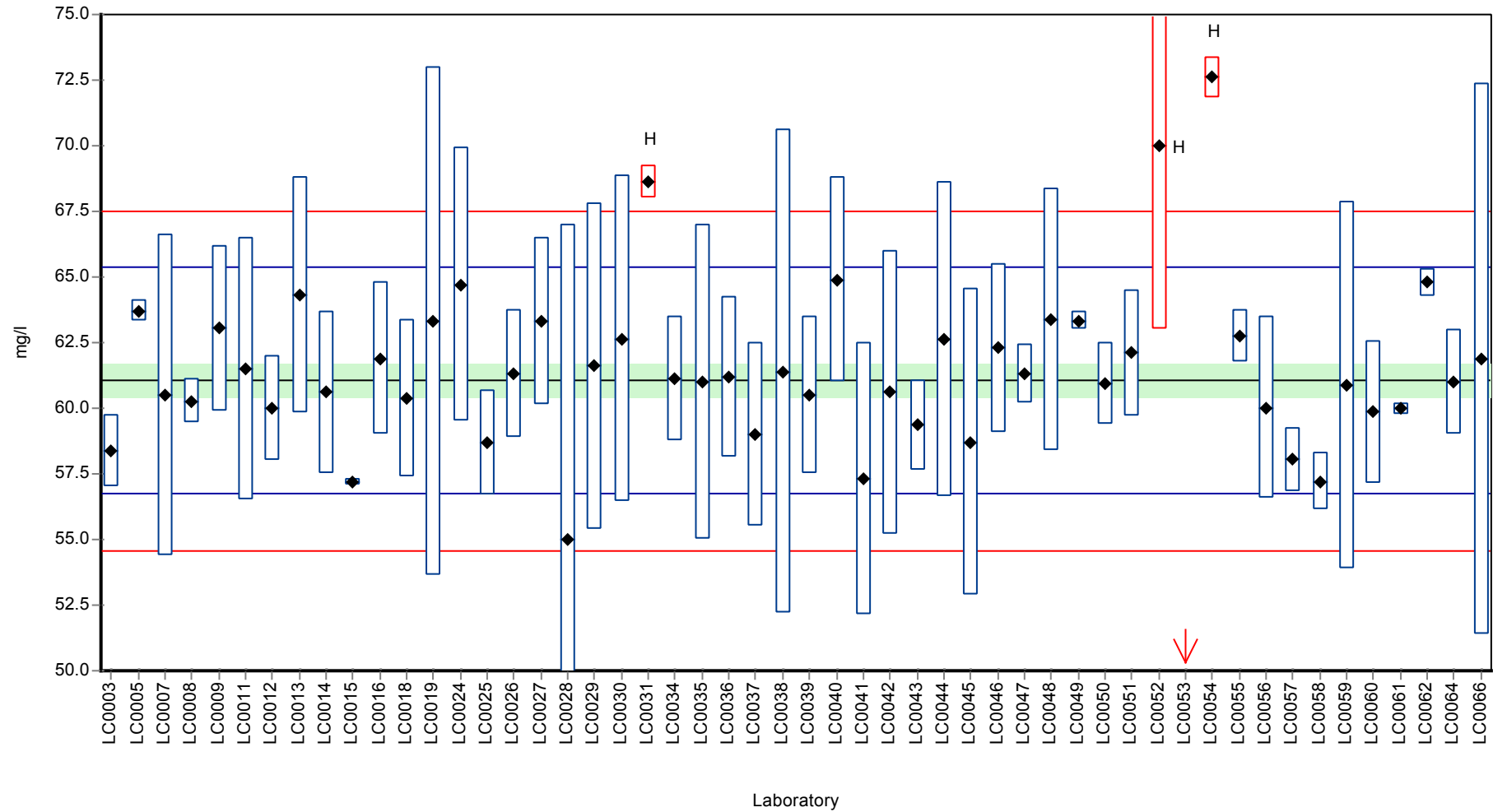
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	60.6	5.4	99.3	-0.2	
LC0043	59.35	1.7	97.2	-0.78	
LC0044	62.6	6	103	0.73	
LC0045	58.7	5.85	96.2	-1.08	
LC0046	62.3	3.21	102	0.59	
LC0047	61.3	1.14	100	0.12	
LC0048	63.35	5	104	1.07	
LC0049	63.33	0.36	104	1.06	
LC0050	60.94	1.59	99.8	-0.04	
LC0051	62.1	2.4	102	0.49	
LC0052	70	7	115	4.16	H
LC0053	31.2	3.1	51.1	-13.8	H
LC0054	72.6	0.8	119	5.37	H
LC0055	62.75	1	103	0.8	
LC0056	60.02	3.45	98.3	-0.47	
LC0057	58.0396	1.205	95.1	-1.39	
LC0058	57.21	1.1	93.7	-1.78	
LC0059	60.9	7	99.8	-0.06	
LC0060	59.85	2.73	98.1	-0.55	
LC0061	59.97	0.2	98.3	-0.49	
LC0062	64.8	0.522	106	1.75	
LC0063	-	-	-	-	
LC0064	61	2	99.9	-0.02	
LC0065	-	-	-	-	
LC0066	61.9	10.5	101	0.4	
LC0067	-	-	-	-	

Characteristics of parameter

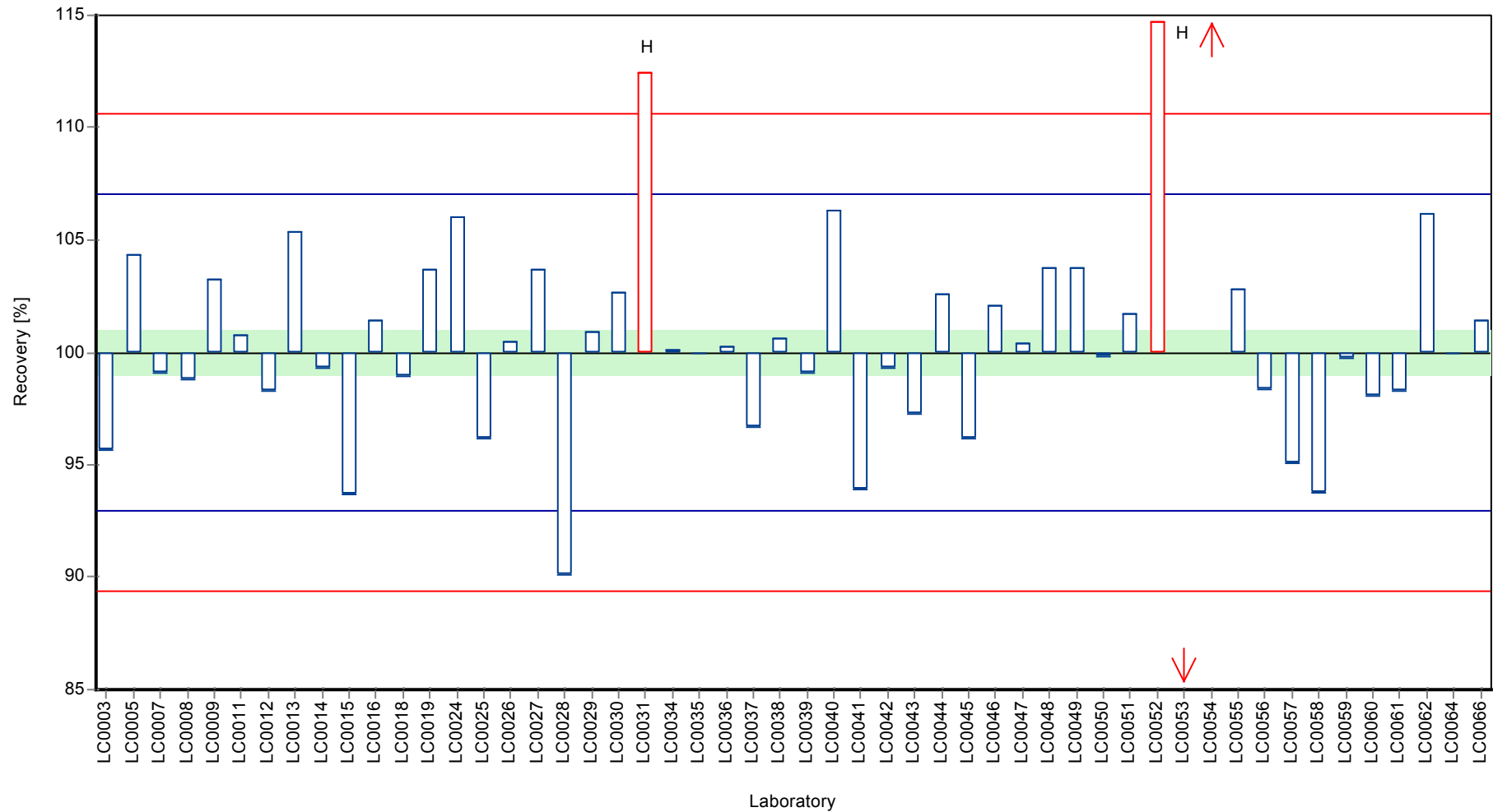
	all results	without outliers	Unit
Mean ± CI (99%)	61 ± 2.16	61 ± 0.934	mg/l
Minimum	31.2	55	mg/l
Maximum	72.6	64.9	mg/l
Standard deviation	5.2	2.16	mg/l
rel. standard deviation	8.53	3.53	%
n	52	48	-

Graphical presentation of results

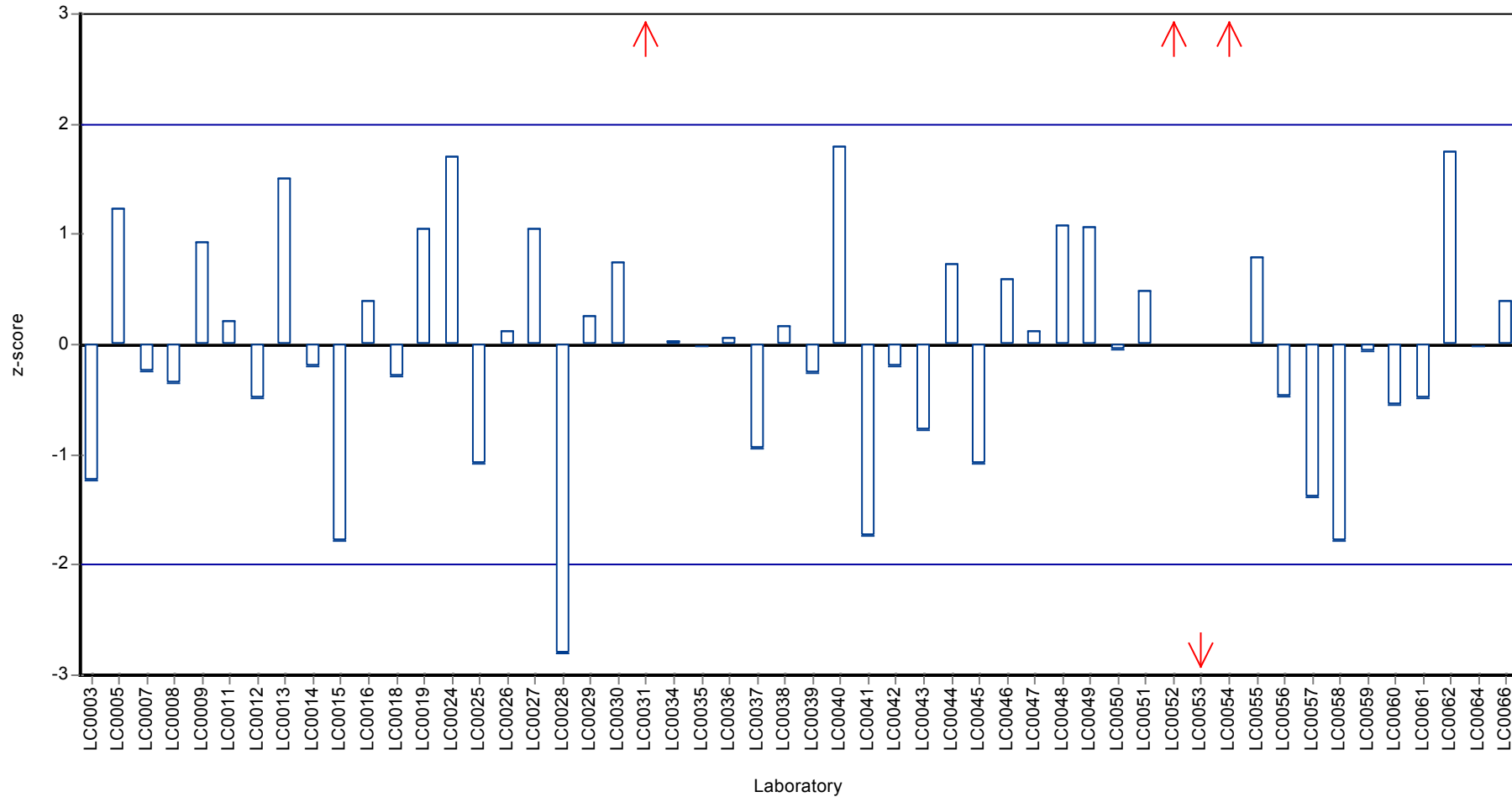
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Calcium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	63.5 ± 2.09	Assigned value ± U (k=2)	63.5 ± 0.611
Minimum - Maximum	59 - 68	Criterion	2.09 (3.3 %)
Control test value ± U	62.4 ± 6.06	Minimum - Maximum	59 - 68
		Control test value ± U (k=2)	62.4 ± 6.06

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	61.44	1.5	96.8	-0.97	
LC0004	-	-	-	-	
LC0005	62.9	2.61	99.1	-0.28	
LC0006	-	-	-	-	
LC0007	62.7	6.3	98.8	-0.37	
LC0008	62.76	1.26	98.9	-0.34	
LC0009	65.38	3.28	103	0.91	
LC0010	-	-	-	-	
LC0011	63.6	6	100	0.06	
LC0012	63	2	99.2	-0.23	
LC0013	67.4	4.72	106	1.87	
LC0014	63.5	3.23	100	0.01	
LC0015	59.08	0.3	93.1	-2.1	
LC0016	64.7	3.1	102	0.58	
LC0017	-	-	-	-	
LC0018	62.7	3.19	98.8	-0.37	
LC0019	64.9	9.93	102	0.68	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	67.1	5.42	106	1.73	
LC0025	60.8	2	95.8	-1.28	
LC0026	63.41	2.536	99.9	-0.03	
LC0027	66.2	3.31	104	1.3	
LC0028	57.2	12	90.1	-3	H
LC0029	64	6.4	101	0.25	
LC0030	65.38	6.5	103	0.91	
LC0031	0.37	0.071	0.6	-30.1	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	63.8	2.49	101	0.15	
LC0035	64	6.4	101	0.25	
LC0036	62.83	3.142	99	-0.31	
LC0037	61.8	3.7	97.4	-0.8	
LC0038	62.4	9.4	98.3	-0.52	
LC0039	63.84	3.17	101	0.17	
LC0040	68	4.08	107	2.16	
LC0041	59.9	5.4	94.4	-1.71	

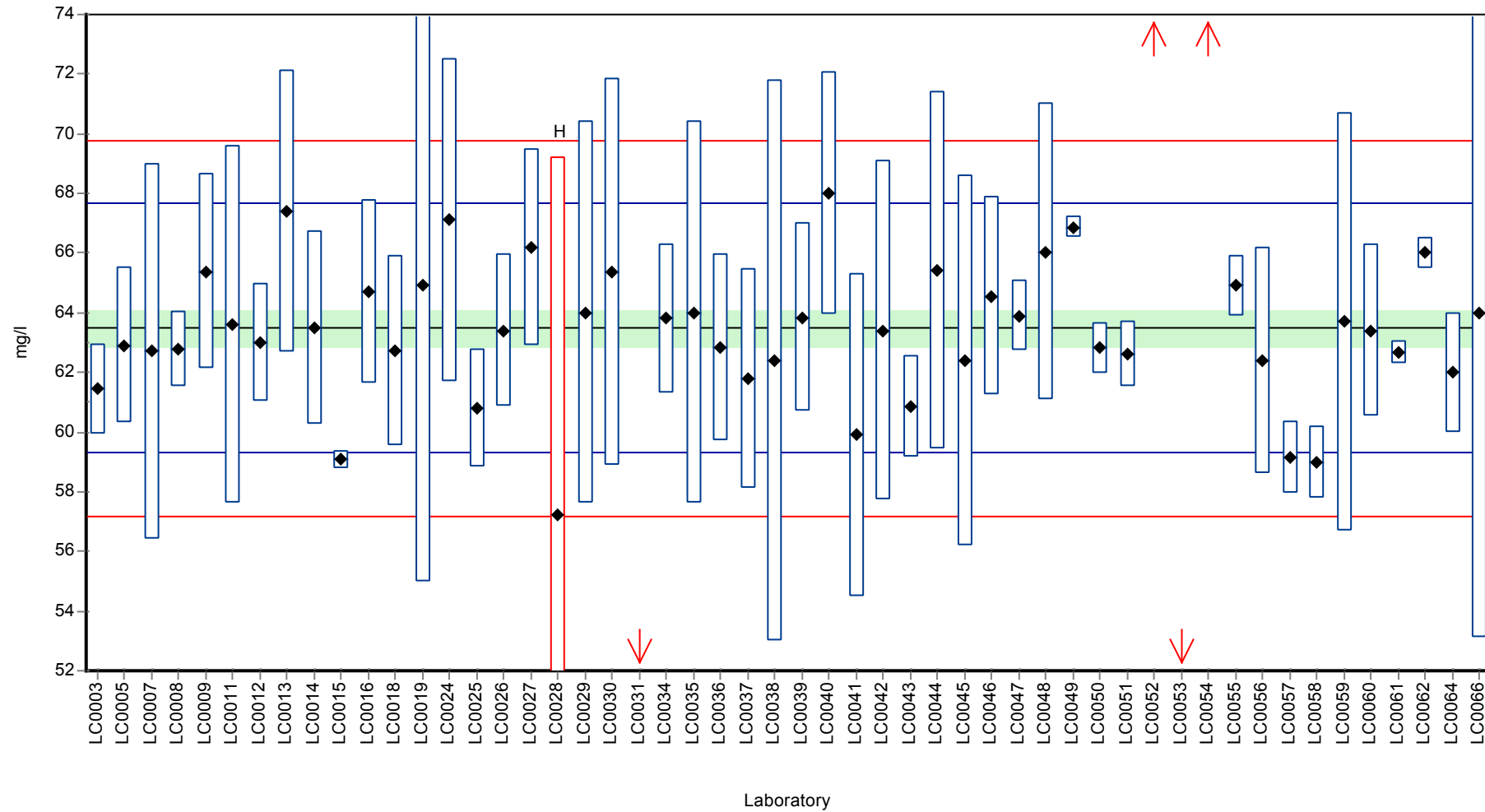
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	63.4	5.7	99.9	-0.04	
LC0043	60.86	1.7	95.9	-1.25	
LC0044	65.4	6	103	0.92	
LC0045	62.4	6.21	98.3	-0.52	
LC0046	64.55	3.32	102	0.51	
LC0047	63.9	1.19	101	0.2	
LC0048	66.05	5	104	1.23	
LC0049	66.87	0.36	105	1.62	
LC0050	62.82	0.86	99	-0.32	
LC0051	62.6	1.1	98.6	-0.42	
LC0052	76	8	120	5.98	H
LC0053	24.8	2.5	39.1	-18.5	H
LC0054	76.3	1.2	120	6.12	H
LC0055	64.9	1	102	0.68	
LC0056	62.4	3.8	98.3	-0.52	
LC0057	59.1613	1.2092	93.2	-2.06	
LC0058	58.98	1.2	92.9	-2.15	
LC0059	63.7	7	100	0.1	
LC0060	63.39	2.89	99.9	-0.04	
LC0061	62.66	0.37	98.7	-0.39	
LC0062	66	0.522	104	1.2	
LC0063	-	-	-	-	
LC0064	62	2	97.7	-0.71	
LC0065	-	-	-	-	
LC0066	64	10.9	101	0.25	
LC0067	-	-	-	-	

Characteristics of parameter

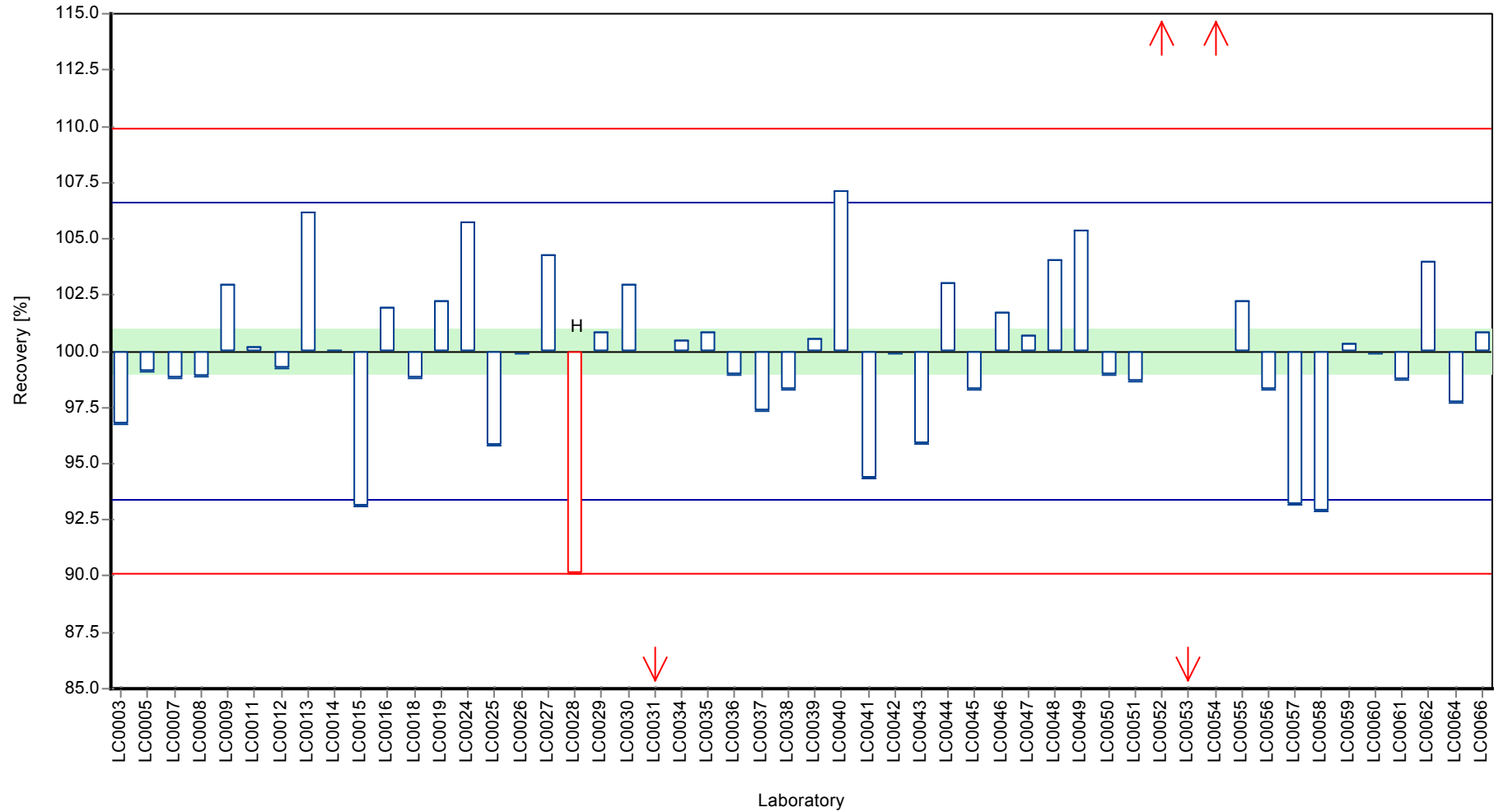
	all results	without outliers	Unit
Mean ± CI (99%)	61.9 ± 4.48	63.5 ± 0.917	mg/l
Minimum	0.37	59	mg/l
Maximum	76.3	68	mg/l
Standard deviation	10.8	2.1	mg/l
rel. standard deviation	17.4	3.3	%
n	52	47	-

Graphical presentation of results

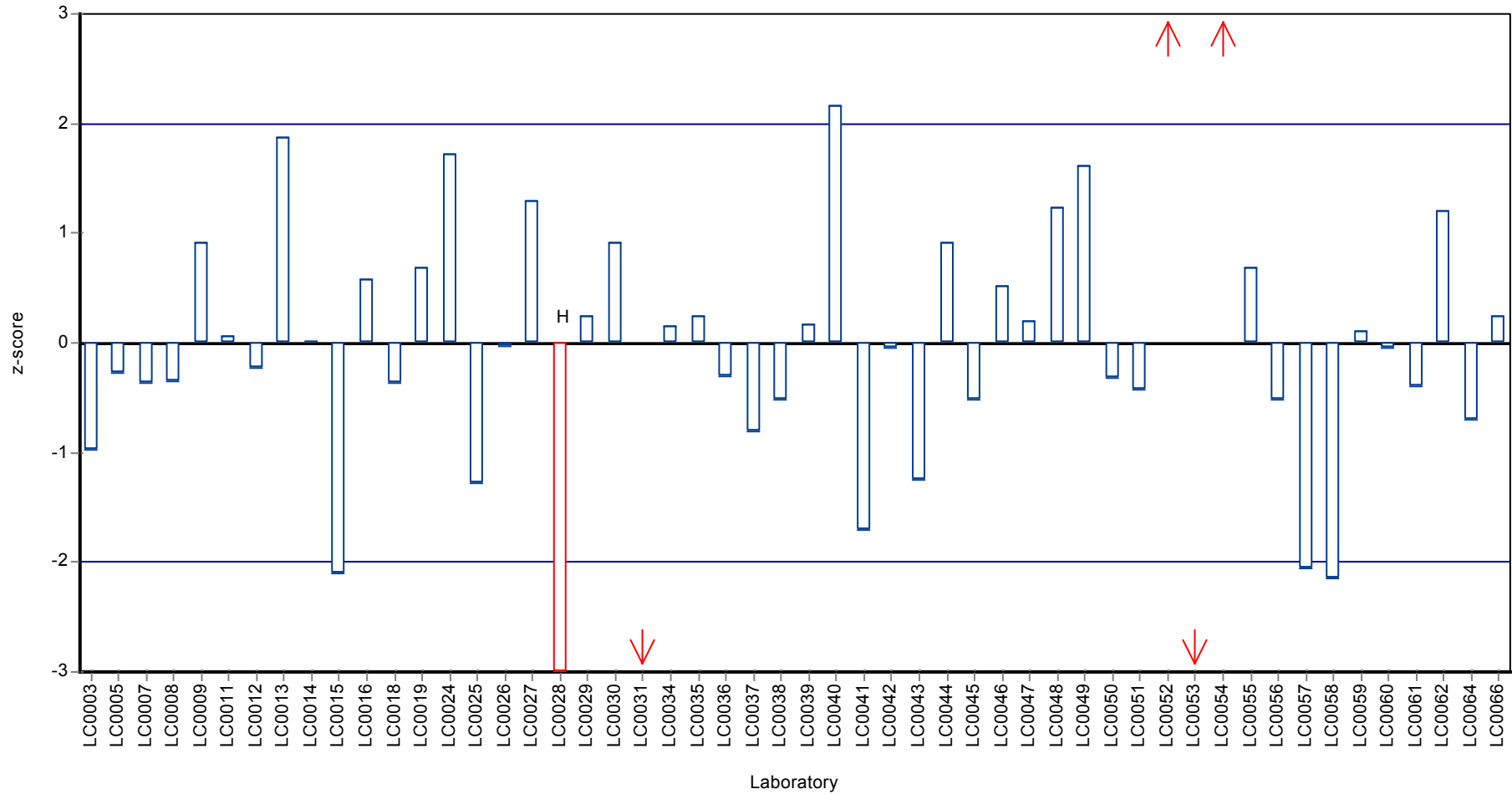
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Chloride

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	21.7 ± 0.825	Assigned value ± U (k=2)	21.7 ± 0.152
Minimum - Maximum	20.8 - 22.8	Criterion	0.825 (3.8 %)
Control test value ± U	21.1 ± 1.06	Minimum - Maximum	20.8 - 22.8
		Control test value ± U (k=2)	21.1 ± 1.06

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	21.76	1.3	100	0.06	
LC0004	-	-	-	-	
LC0005	22.7	0.313	105	1.19	
LC0006	-	-	-	-	
LC0007	20	2	92.1	-2.08	H
LC0008	21.9	0.311	101	0.23	
LC0009	22.32	1.12	103	0.73	
LC0010	-	-	-	-	
LC0011	22	2	101	0.35	
LC0012	22	2	101	0.35	
LC0013	21.6	0.862	99.5	-0.14	
LC0014	21.3	1.5	98.1	-0.5	
LC0015	21	1.1	96.7	-0.87	
LC0016	21.8	1.9	100	0.1	
LC0017	-	-	-	-	
LC0018	21.6	1.1	99.5	-0.14	
LC0019	22.8	2.69	105	1.32	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	21	2.1	96.7	-0.87	
LC0023	-	-	-	-	
LC0024	21.5	0.78	99	-0.26	
LC0025	21.5	1	99	-0.26	
LC0026	21.9	0.876	101	0.23	
LC0027	21.9	1.1	101	0.23	
LC0028	20.76	2.6	95.6	-1.16	
LC0029	21.8	1.7	100	0.1	
LC0030	22.77	2.2	105	1.28	
LC0031	20.858	0.421	96.1	-1.04	
LC0032	21.1	1.3	97.2	-0.74	
LC0033	22	3	101	0.35	
LC0034	21.3	1	98.1	-0.5	
LC0035	21.8	2.2	100	0.1	
LC0036	21.77	0.653	100	0.07	
LC0037	19.3	2.1	88.9	-2.93	H
LC0038	20.1	3	92.6	-1.96	H
LC0039	21.47	1.87	98.9	-0.3	
LC0040	22.4	2.02	103	0.83	
LC0041	22.4	0.83	103	0.83	

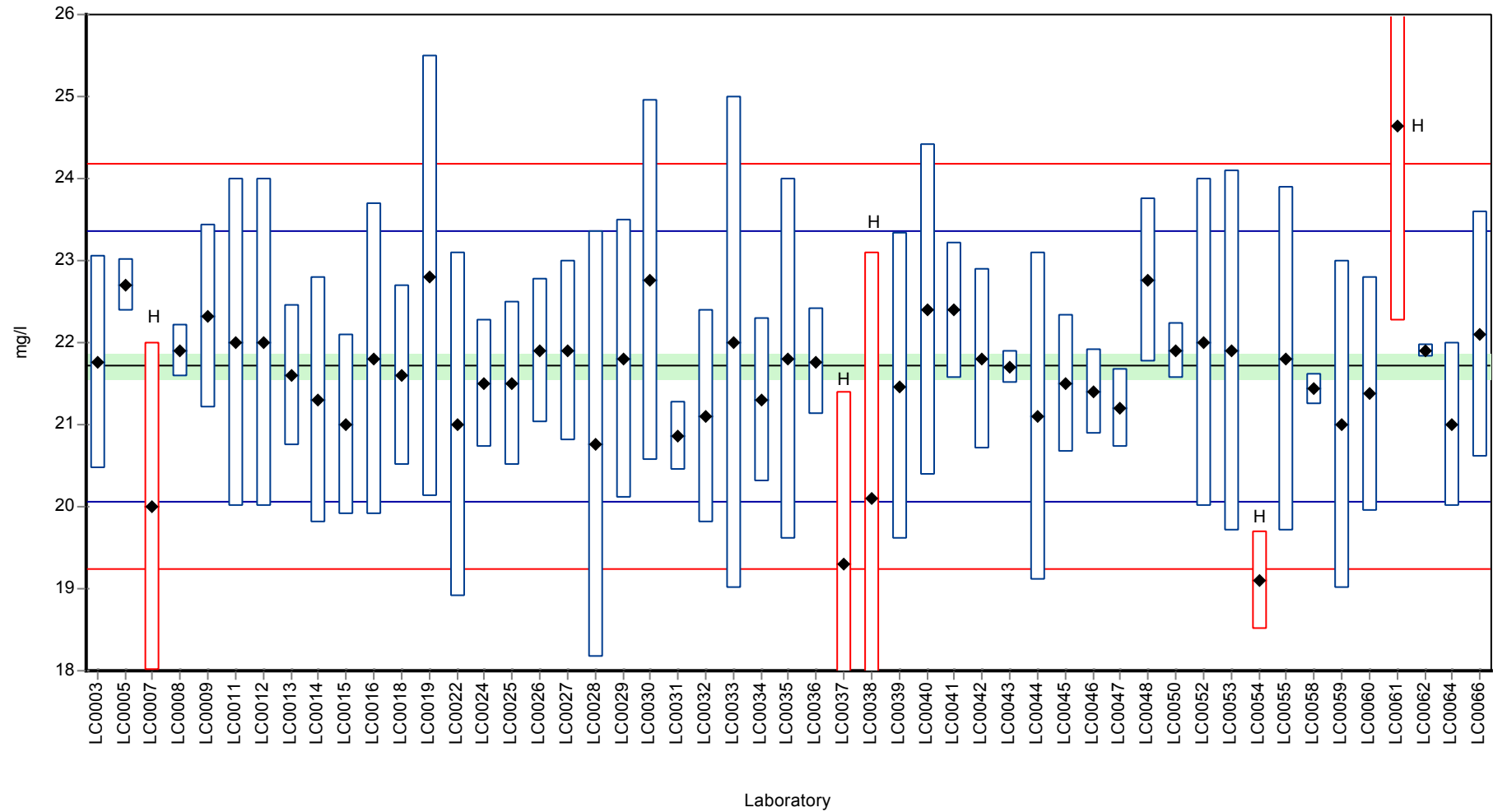
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	21.8	1.1	100	0.1	
LC0043	21.7	0.2	99.9	-0.02	
LC0044	21.1	2	97.2	-0.74	
LC0045	21.5	0.839	99	-0.26	
LC0046	21.4	0.51	98.6	-0.38	
LC0047	21.2	0.48	97.6	-0.62	
LC0048	22.75	1	105	1.26	
LC0049	-	-	-	-	
LC0050	21.9	0.34	101	0.23	
LC0051	-	-	-	-	
LC0052	22	2	101	0.35	
LC0053	21.9	2.2	101	0.23	
LC0054	19.1	0.6	88	-3.17	H
LC0055	21.8	2.1	100	0.1	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	21.43	0.2	98.7	-0.34	
LC0059	21	2	96.7	-0.87	
LC0060	21.37	1.43	98.4	-0.42	
LC0061	24.64	2.38	113	3.55	H
LC0062	21.9	0.08	101	0.23	
LC0063	-	-	-	-	
LC0064	21	1	96.7	-0.87	
LC0065	-	-	-	-	
LC0066	22.1	1.5	102	0.47	
LC0067	-	-	-	-	

Characteristics of parameter

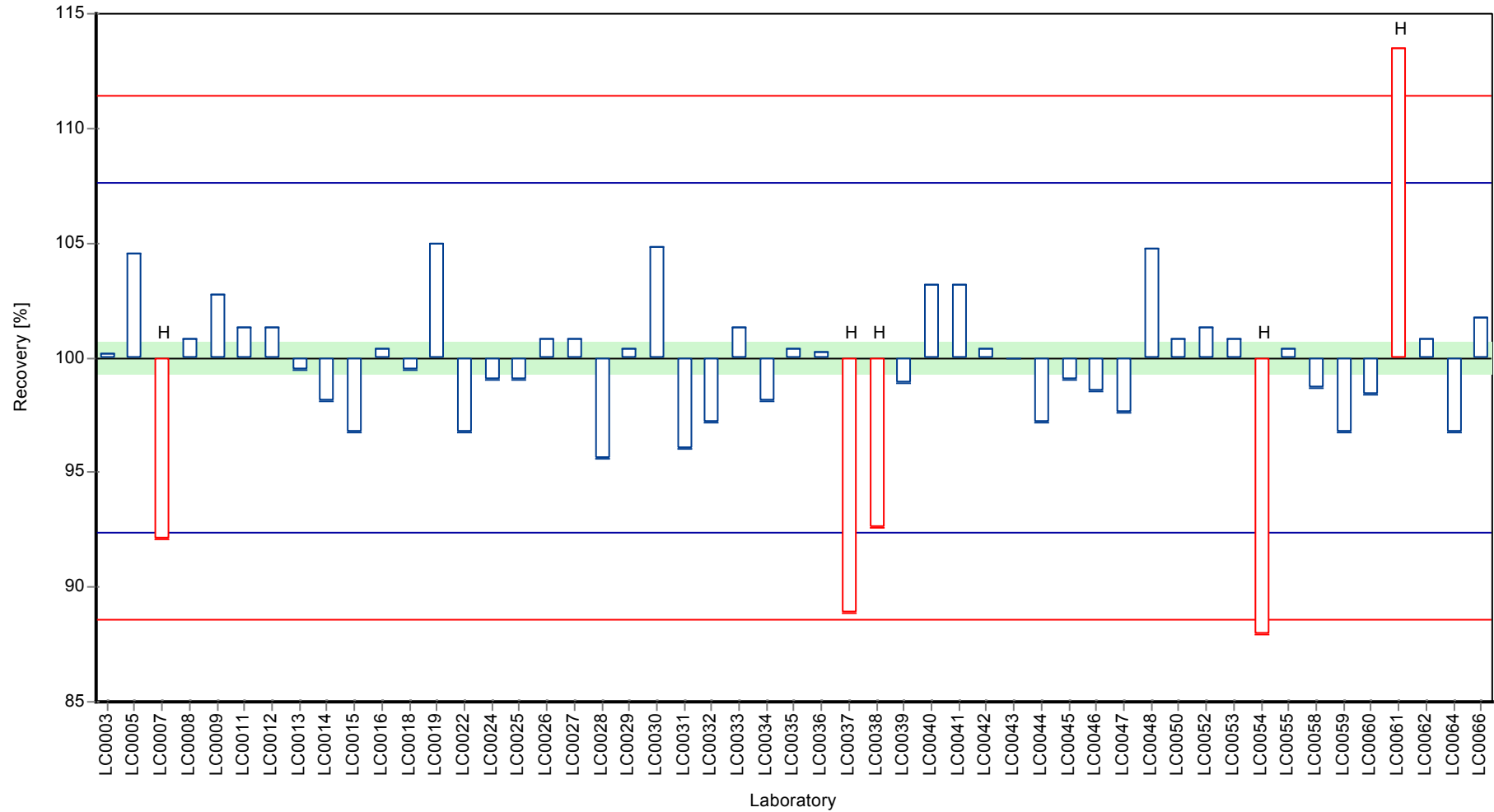
	all results	without outliers	Unit
Mean ± CI (99%)	21.6 ± 0.367	21.7 ± 0.228	mg/l
Minimum	19.1	20.8	mg/l
Maximum	24.6	22.8	mg/l
Standard deviation	0.873	0.515	mg/l
rel. standard deviation	4.04	2.37	%
n	51	46	-

Graphical presentation of results

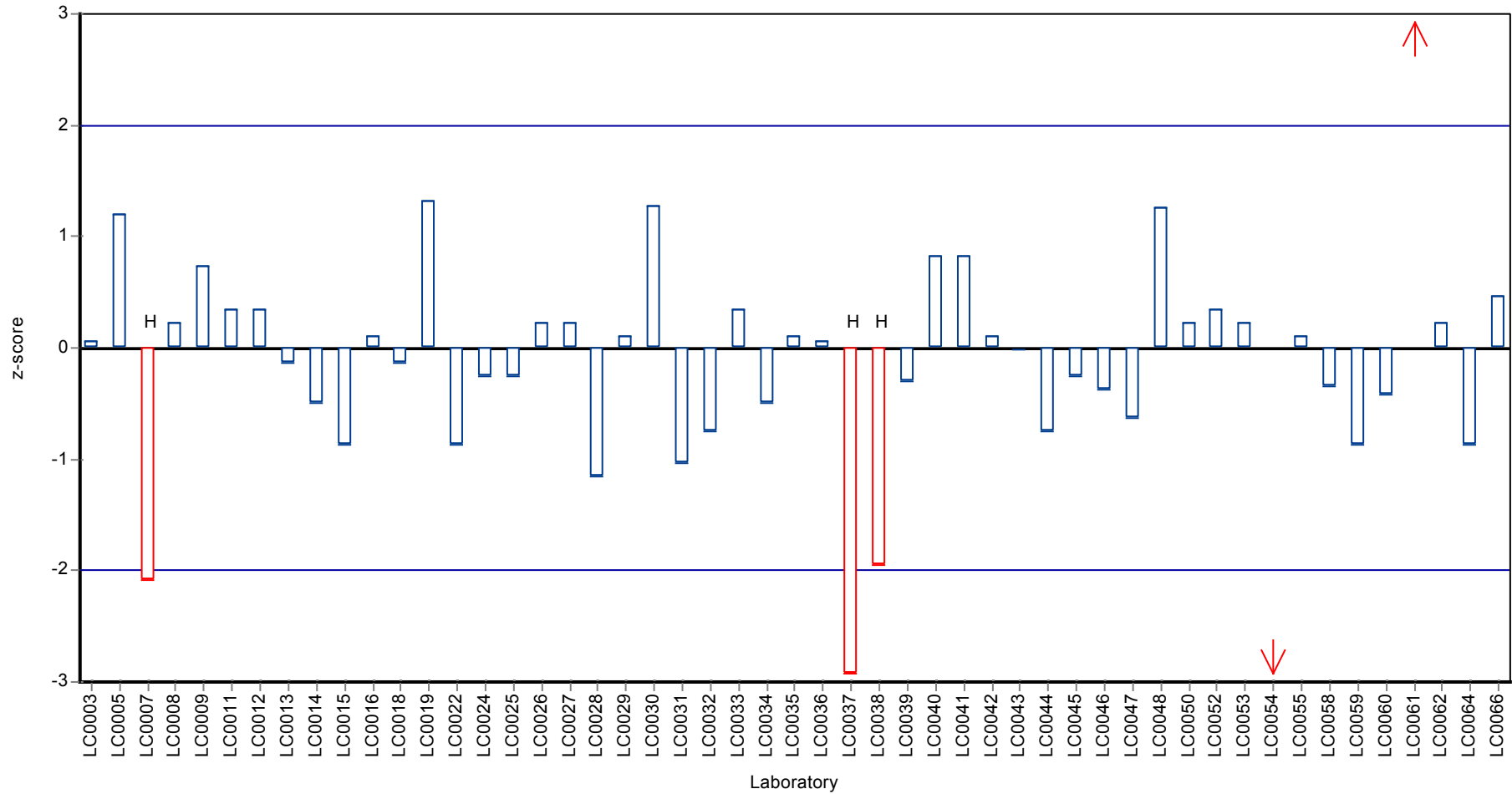
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Chloride

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	28.2 ± 1.07	Assigned value ± U (k=2)	28.2 ± 0.219
Minimum - Maximum	26.3 - 29.4	Criterion	1.07 (3.8 %)
Control test value ± U	27.4 ± 1.37	Minimum - Maximum	26.3 - 29.4
		Control test value ± U (k=2)	27.4 ± 1.37

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	28.55	1.7	101	0.35	
LC0004	-	-	-	-	
LC0005	29.35	0.516	104	1.1	
LC0006	-	-	-	-	
LC0007	26.3	2.6	93.3	-1.75	
LC0008	28.54	0.09	101	0.34	
LC0009	29.31	1.47	104	1.06	
LC0010	-	-	-	-	
LC0011	28.3	2	100	0.12	
LC0012	29	2	103	0.77	
LC0013	28	1.12	99.4	-0.17	
LC0014	27.2	1.94	96.5	-0.91	
LC0015	27	1.4	95.8	-1.1	
LC0016	28.7	2.4	102	0.49	
LC0017	-	-	-	-	
LC0018	28.1	1.4	99.7	-0.07	
LC0019	26.5	3.13	94	-1.57	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	27.5	2.8	97.6	-0.63	
LC0023	-	-	-	-	
LC0024	28.3	1.03	100	0.12	
LC0025	27	1	95.8	-1.1	
LC0026	28.59	1.144	101	0.39	
LC0027	28.6	1.43	102	0.4	
LC0028	28.57	2.6	101	0.37	
LC0029	28.2	2.3	100	0.02	
LC0030	29.44	2.9	104	1.18	
LC0031	44.15	3.748	157	14.9	H
LC0032	27.7	1.3	98.3	-0.45	
LC0033	28	3	99.4	-0.17	
LC0034	27.8	1.31	98.7	-0.35	
LC0035	28.5	2.9	101	0.3	
LC0036	28.51	0.855	101	0.31	
LC0037	25.4	2.8	90.1	-2.59	H
LC0038	26.7	4	94.8	-1.38	
LC0039	27.83	2.418	98.8	-0.32	
LC0040	28.9	2.6	103	0.68	
LC0041	28.6	1.05	102	0.4	

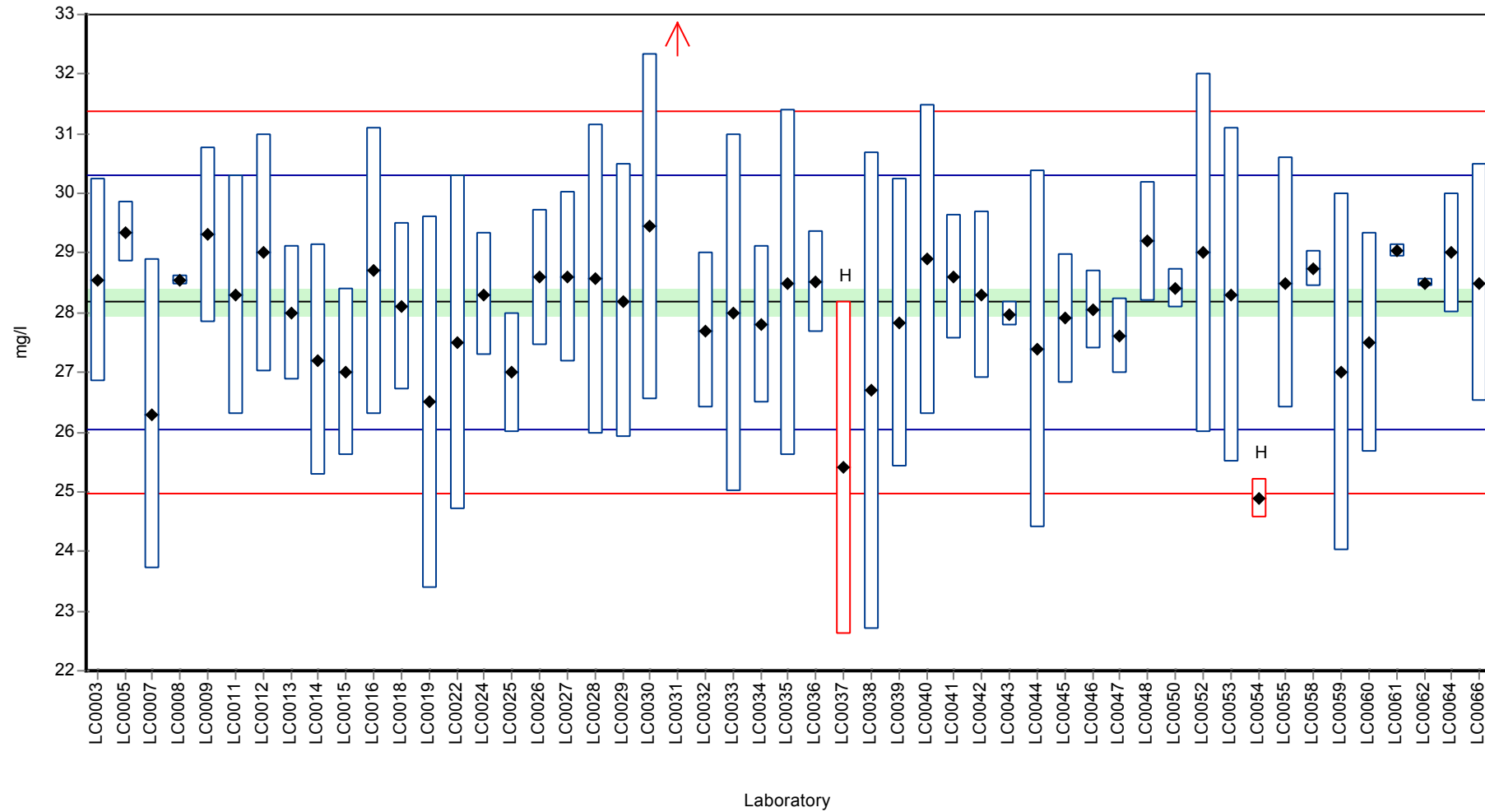
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	28.3	1.4	100	0.12	
LC0043	27.98	0.2	99.3	-0.18	
LC0044	27.4	3	97.2	-0.73	
LC0045	27.9	1.09	99	-0.26	
LC0046	28.05	0.66	99.5	-0.12	
LC0047	27.6	0.63	98	-0.54	
LC0048	29.2	1	104	0.95	
LC0049	-	-	-	-	
LC0050	28.41	0.33	101	0.22	
LC0051	-	-	-	-	
LC0052	29	3	103	0.77	
LC0053	28.3	2.8	100	0.12	
LC0054	24.9	0.33	88.4	-3.06	H
LC0055	28.5	2.1	101	0.3	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	28.74	0.3	102	0.53	
LC0059	27	3	95.8	-1.1	
LC0060	27.5	1.85	97.6	-0.63	
LC0061	29.03	0.11	103	0.8	
LC0062	28.5	0.07	101	0.3	
LC0063	-	-	-	-	
LC0064	29	1	103	0.77	
LC0065	-	-	-	-	
LC0066	28.5	2	101	0.3	
LC0067	-	-	-	-	

Characteristics of parameter

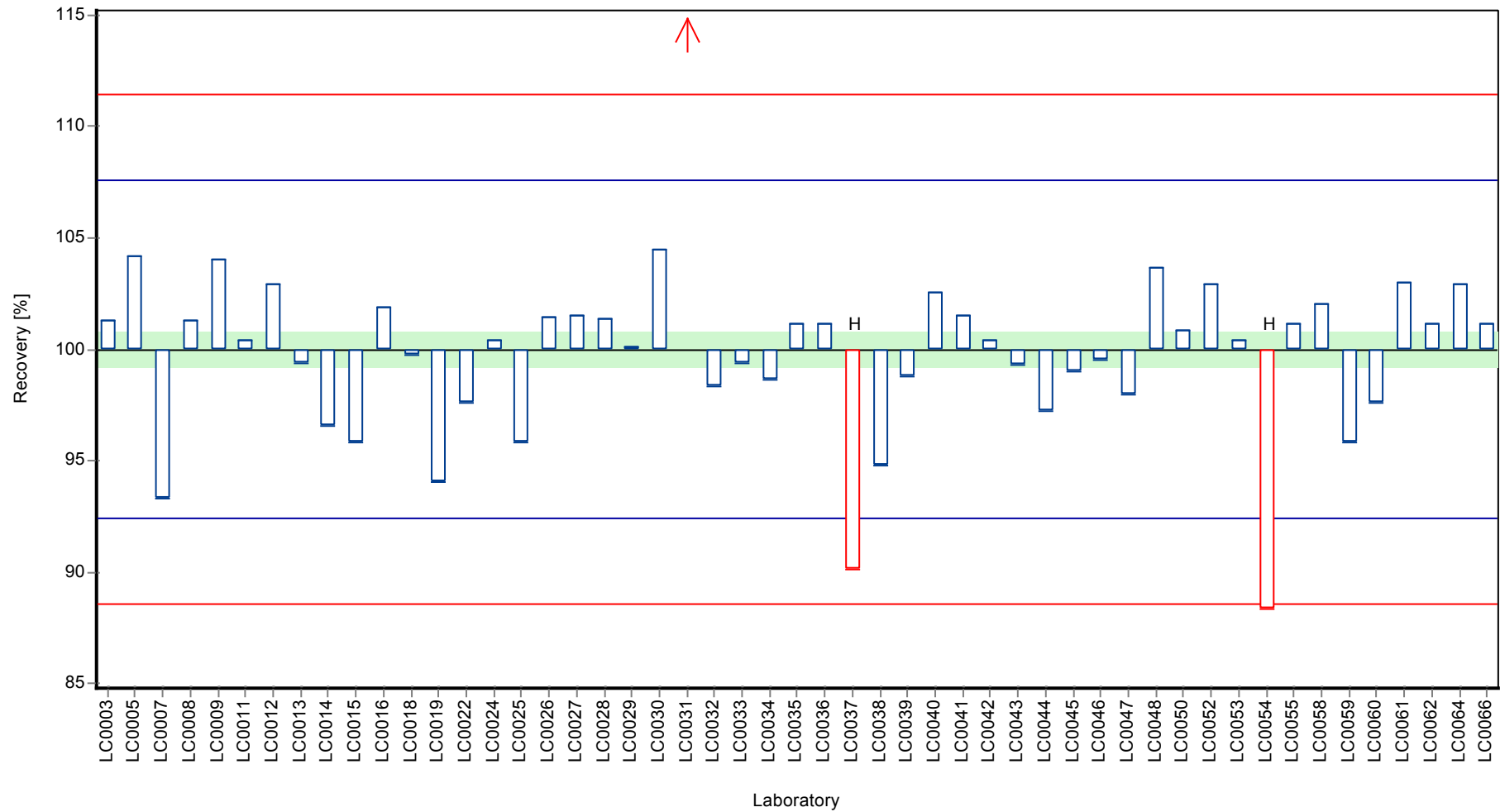
	all results	without outliers	Unit
Mean ± CI (99%)	28.4 ± 1.03	28.2 ± 0.328	mg/l
Minimum	24.9	26.3	mg/l
Maximum	44.1	29.4	mg/l
Standard deviation	2.44	0.757	mg/l
rel. standard deviation	8.61	2.69	%
n	51	48	-

Graphical presentation of results

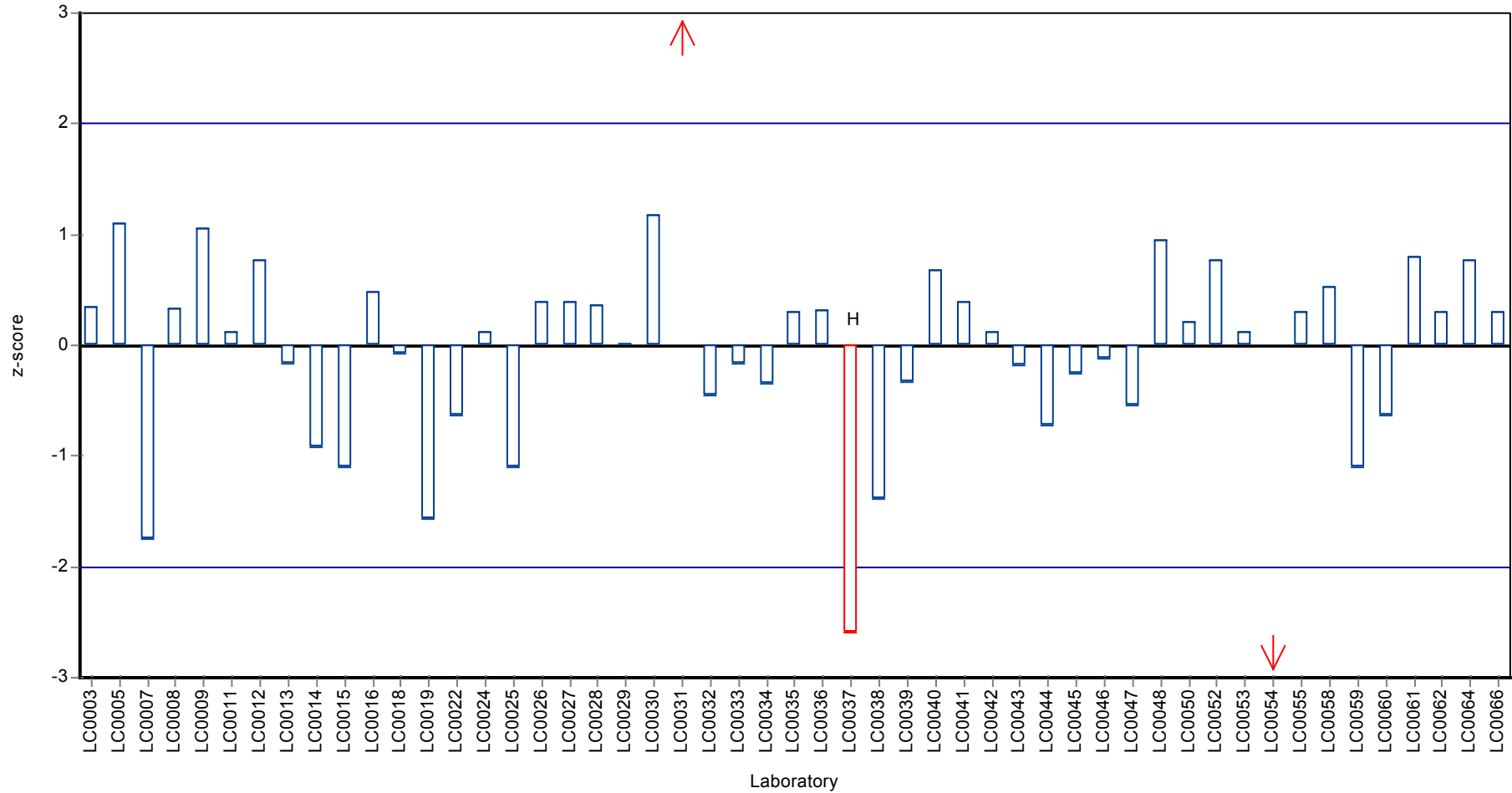
Results



Recovery rate



Z-score



Parameter oriented report

N145 A DOC

DOC (as C)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.58 ± 0.133	Assigned value ± U (k=2)	0.58 ± 0.0472
Minimum - Maximum	0.28 - 0.86	Criterion	0.133 (23 %)
Control test value ± U	< 0.5 (LOQ)	Minimum - Maximum	0.28 - 0.86
		Control test value ± U (k=2)	< 0.5 (LOQ)

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.5	0.03	86.2	-0.6	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.49	0.012	84.5	-0.67	
LC0006	-	-	-	-	
LC0007	0.657	0.0657	113	0.58	
LC0008	0.445	0.001	76.7	-1.01	
LC0009	< 1 (LOQ)	-	-	-	
LC0010	-	-	-	-	
LC0011	0.51	0.08	87.9	-0.53	
LC0012	0.5	0.1	86.2	-0.6	
LC0013	0.78	0.156	134	1.5	
LC0014	1.24	0.34	214	4.95	H
LC0015	1.74	0.4	300	8.7	H
LC0016	0.6	0.2	103	0.15	
LC0017	-	-	-	-	
LC0018	0.6	0.06	103	0.15	
LC0019	0.7	0.098	121	0.9	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.484	0.097	83.5	-0.72	
LC0023	-	-	-	-	
LC0024	0.55	0.062	94.8	-0.23	
LC0025	1.51	0.09	260	6.97	H
LC0026	0.5	0.04	86.2	-0.6	
LC0027	0.737	0.074	127	1.18	
LC0028	0.45	2.3	77.6	-0.97	
LC0029	0.5	0.1	86.2	-0.6	
LC0030	0.28	0.03	48.3	-2.25	
LC0031	-	-	-	-	
LC0032	5.42	0.5	935	36.3	H
LC0033	-	-	-	-	
LC0034	0.51	0.09	87.9	-0.53	
LC0035	-	-	-	-	
LC0036	0.673	0.039	116	0.7	
LC0037	0.52	0.06	89.7	-0.45	
LC0038	0.85	0.13	147	2.02	
LC0039	0.55	0.0473	94.8	-0.23	
LC0040	< 0.1 (LOQ)	-	-	-	
LC0041	-	-	-	-	

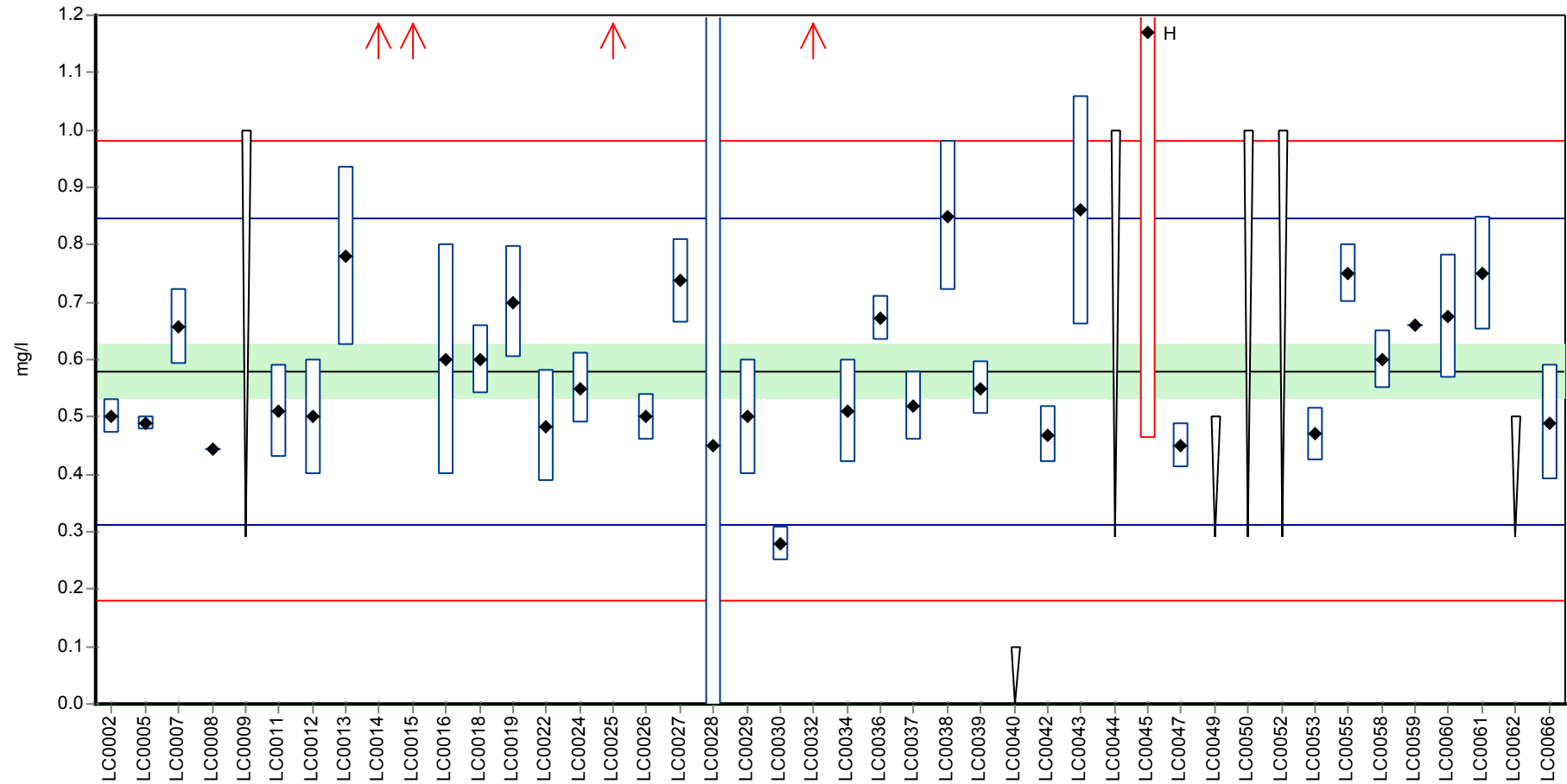
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.469	0.05	80.9	-0.83	
LC0043	0.86	0.2	148	2.1	
LC0044	< 1 (LOQ)	-	-	-	
LC0045	1.17	0.67	202	4.42	H
LC0046	-	-	-	-	
LC0047	0.45	0.04	77.6	-0.97	
LC0048	-	-	-	-	
LC0049	< 0.5 (LOQ)	-	-	-	
LC0050	< 1 (LOQ)	-	-	-	
LC0051	-	-	-	-	
LC0052	< 1 (LOQ)	-	-	-	
LC0053	0.47	0.047	81	-0.82	
LC0054	-	-	-	-	
LC0055	0.75	0.05	129	1.27	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.6	0.05	103	0.15	
LC0059	0.66	0.7	114	0.6	
LC0060	0.674	0.108	116	0.7	
LC0061	0.75	0.1	129	1.27	
LC0062	< 0.5 (LOQ)	-	-	-	
LC0063	-	-	-	-	
LC0064	-	-	-	-	
LC0065	-	-	-	-	
LC0066	0.49	0.1	84.5	-0.67	
LC0067	-	-	-	-	

Characteristics of parameter

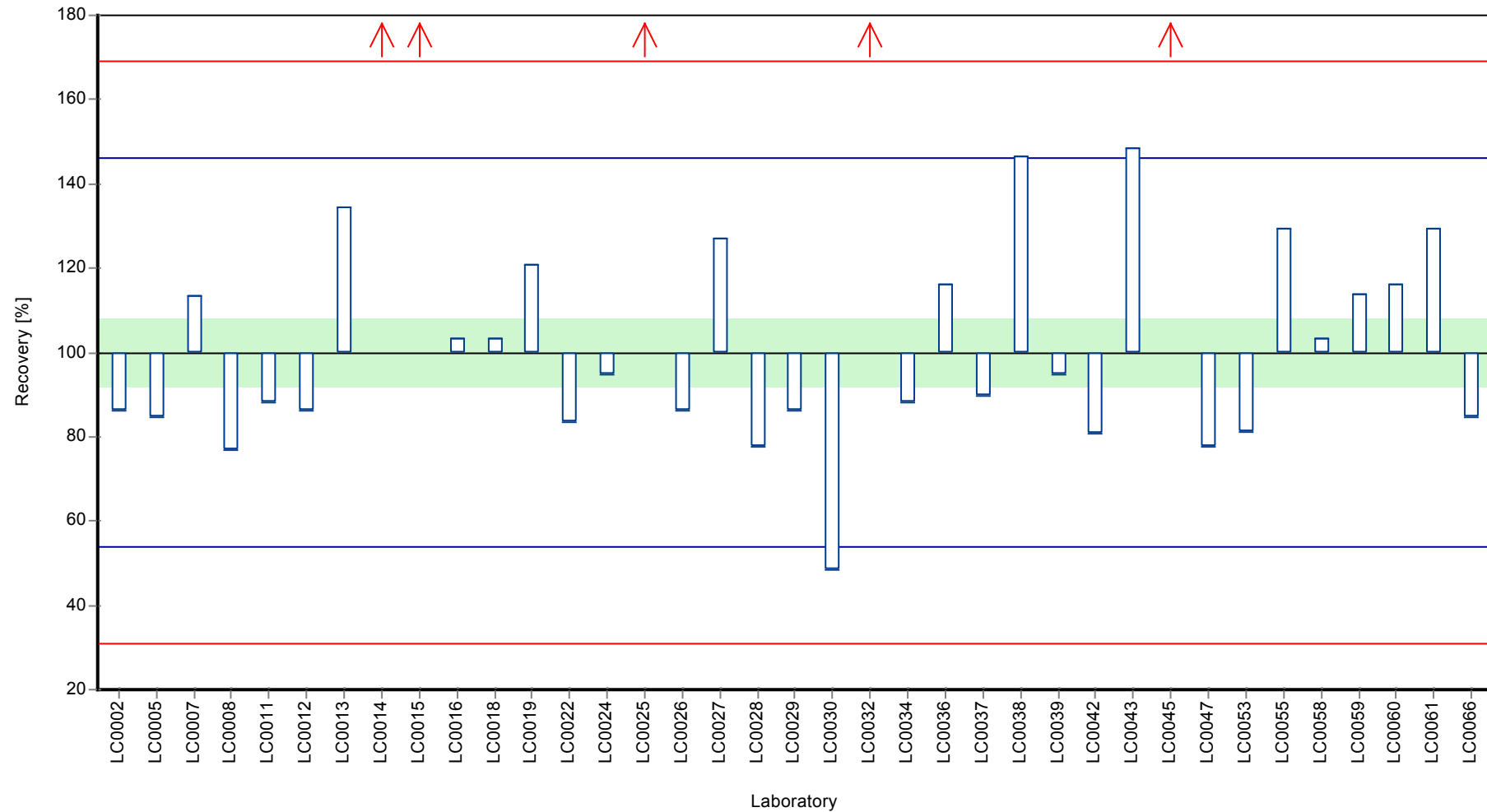
	all results	without outliers	Unit
Mean ± CI (99%)	0.801 ± 0.412	0.58 ± 0.0708	mg/l
Minimum	0.28	0.28	mg/l
Maximum	5.42	0.86	mg/l
Standard deviation	0.836	0.133	mg/l
rel. standard deviation	104	23	%
n	37	32	-

Graphical presentation of results

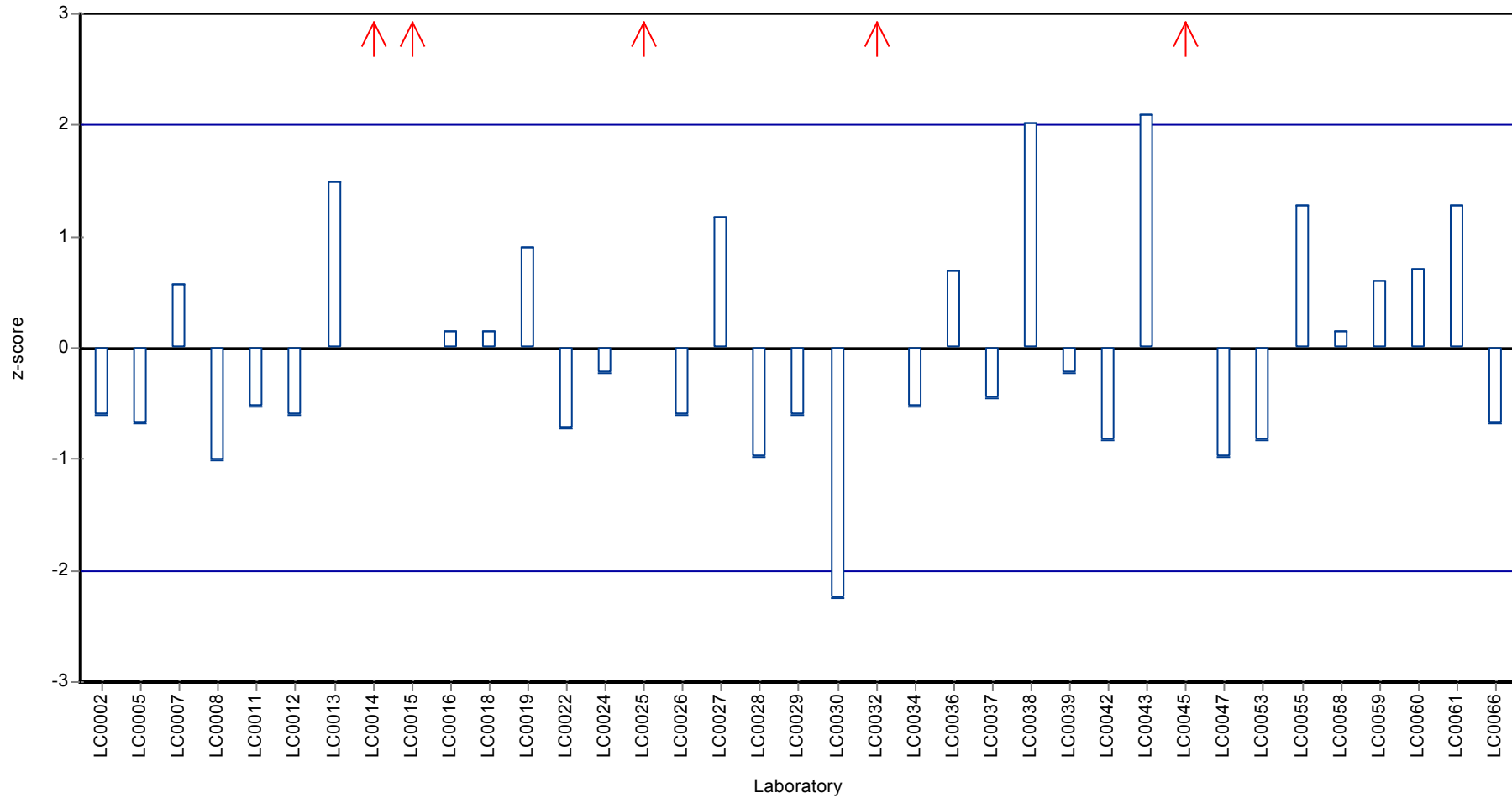
Results



Recovery rate



Z-score



Parameter oriented report

N145 B DOC

DOC (as C)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	2.18 ± 0.21	Assigned value ± U (k=2)	2.18 ± 0.0583
Minimum - Maximum	1.73 - 2.54	Criterion	0.21 (9.6 %)
Control test value ± U	2.05 ± 0.225	Minimum - Maximum	1.73 - 2.54
		Control test value ± U (k=2)	2.05 ± 0.225

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	2.17	0.08	99.4	-0.06	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	1.95	0.012	89.3	-1.11	
LC0006	-	-	-	-	
LC0007	2.36	0.236	108	0.85	
LC0008	1.729	0.011	79.2	-2.17	
LC0009	2.14	0.11	98	-0.2	
LC0010	-	-	-	-	
LC0011	2.15	0.4	98.5	-0.16	
LC0012	2.2	0.2	101	0.08	
LC0013	2.19	0.438	100	0.03	
LC0014	2.38	0.65	109	0.94	
LC0015	3.37	0.5	154	5.67	H
LC0016	2.1	0.4	96.2	-0.4	
LC0017	-	-	-	-	
LC0018	2.3	0.23	105	0.56	
LC0019	2.27	0.32	104	0.42	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.11	0.42	96.7	-0.35	
LC0023	-	-	-	-	
LC0024	2.04	0.23	93.5	-0.68	
LC0025	2.54	0.1	116	1.7	
LC0026	2.2	0.18	101	0.08	
LC0027	2.34	0.234	107	0.75	
LC0028	1.93	2.3	88.4	-1.21	
LC0029	2.1	0.7	96.2	-0.4	
LC0030	2.17	0.2	99.4	-0.06	
LC0031	-	-	-	-	
LC0032	1.87	0.2	85.7	-1.49	
LC0033	-	-	-	-	
LC0034	2.06	0.36	94.4	-0.59	
LC0035	-	-	-	-	
LC0036	2.27	0.124	104	0.42	
LC0037	2.2	0.2	101	0.08	
LC0038	2.37	0.36	109	0.89	
LC0039	2.21	0.19	101	0.13	
LC0040	1.21	0.072	55.4	-4.64	H
LC0041	-	-	-	-	

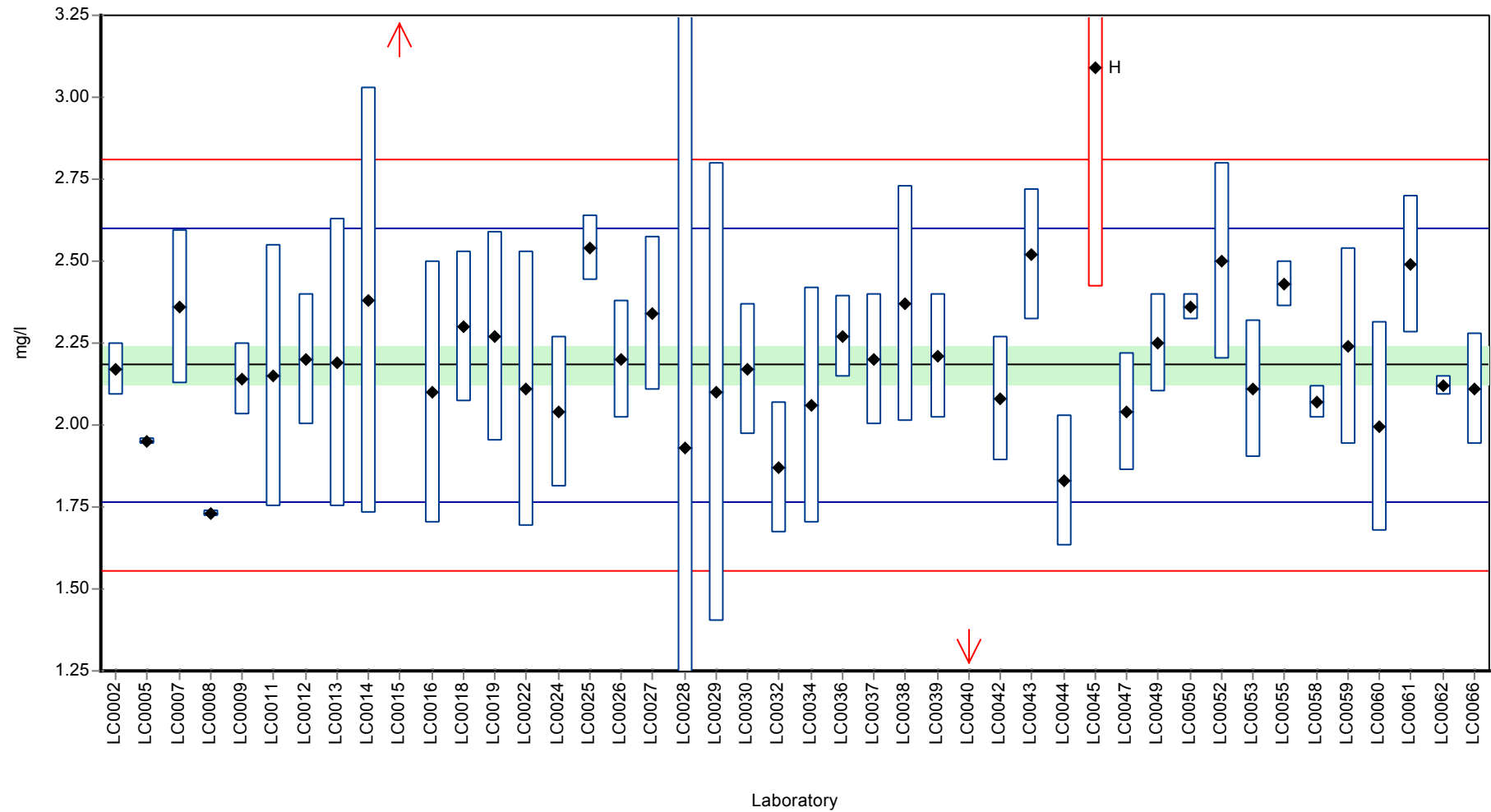
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.08	0.19	95.3	-0.49	
LC0043	2.52	0.2	115	1.61	
LC0044	1.83	0.2	83.8	-1.68	
LC0045	3.09	0.67	142	4.33	H
LC0046	-	-	-	-	
LC0047	2.04	0.18	93.5	-0.68	
LC0048	-	-	-	-	
LC0049	2.25	0.15	103	0.32	
LC0050	2.36	0.04	108	0.85	
LC0051	-	-	-	-	
LC0052	2.5	0.3	115	1.51	
LC0053	2.11	0.21	96.7	-0.35	
LC0054	-	-	-	-	
LC0055	2.43	0.07	111	1.18	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	2.07	0.05	94.8	-0.54	
LC0059	2.24	0.3	103	0.27	
LC0060	1.995	0.318	91.4	-0.9	
LC0061	2.49	0.21	114	1.47	
LC0062	2.12	0.03	97.1	-0.3	
LC0063	-	-	-	-	
LC0064	-	-	-	-	
LC0065	-	-	-	-	
LC0066	2.11	0.17	96.7	-0.35	
LC0067	-	-	-	-	

Characteristics of parameter

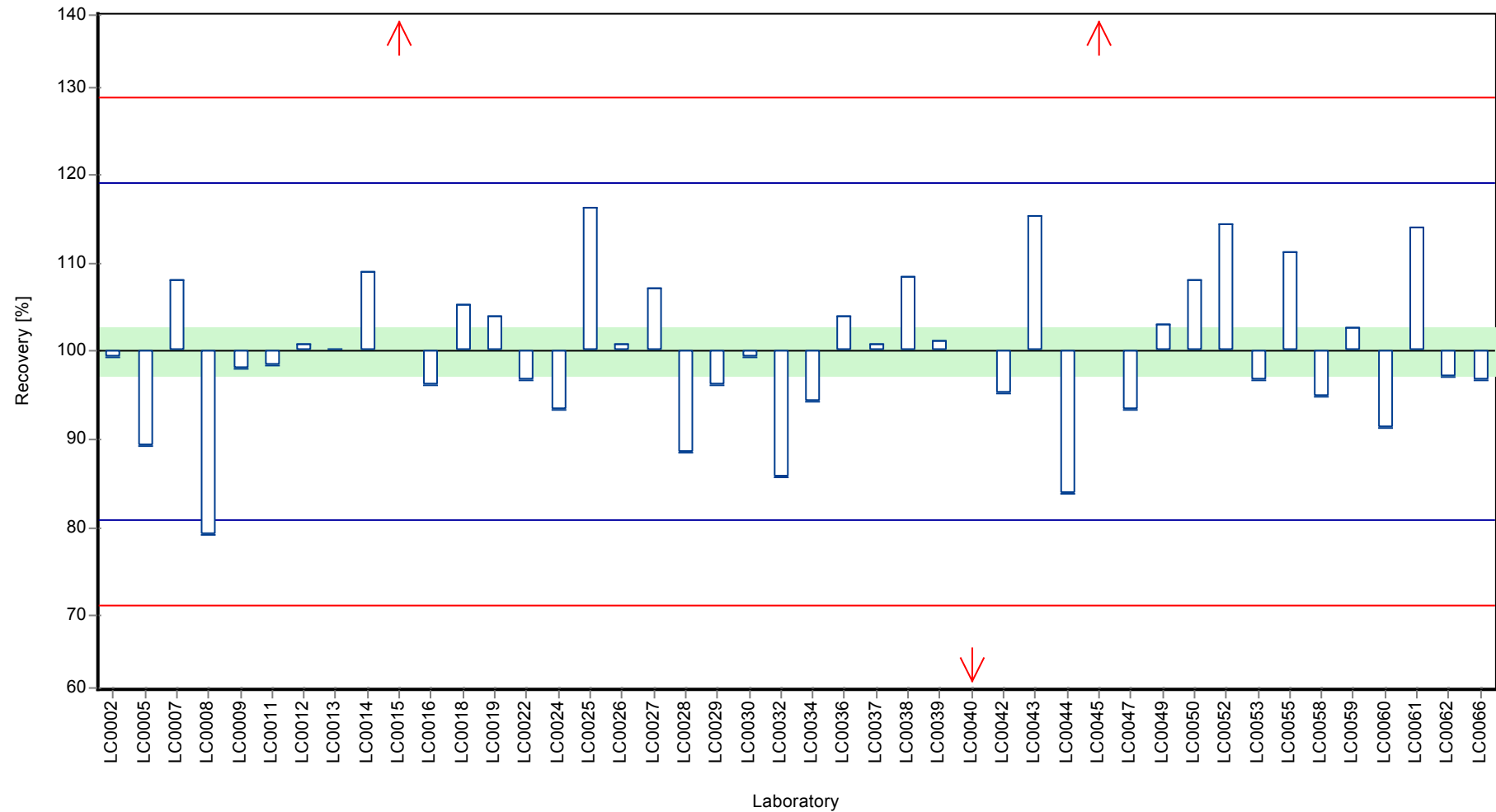
	all results	without outliers	Unit
Mean ± CI (99%)	2.21 ± 0.147	2.18 ± 0.0875	mg/l
Minimum	1.21	1.73	mg/l
Maximum	3.37	2.54	mg/l
Standard deviation	0.325	0.187	mg/l
rel. standard deviation	14.7	8.56	%
n	44	41	-

Graphical presentation of results

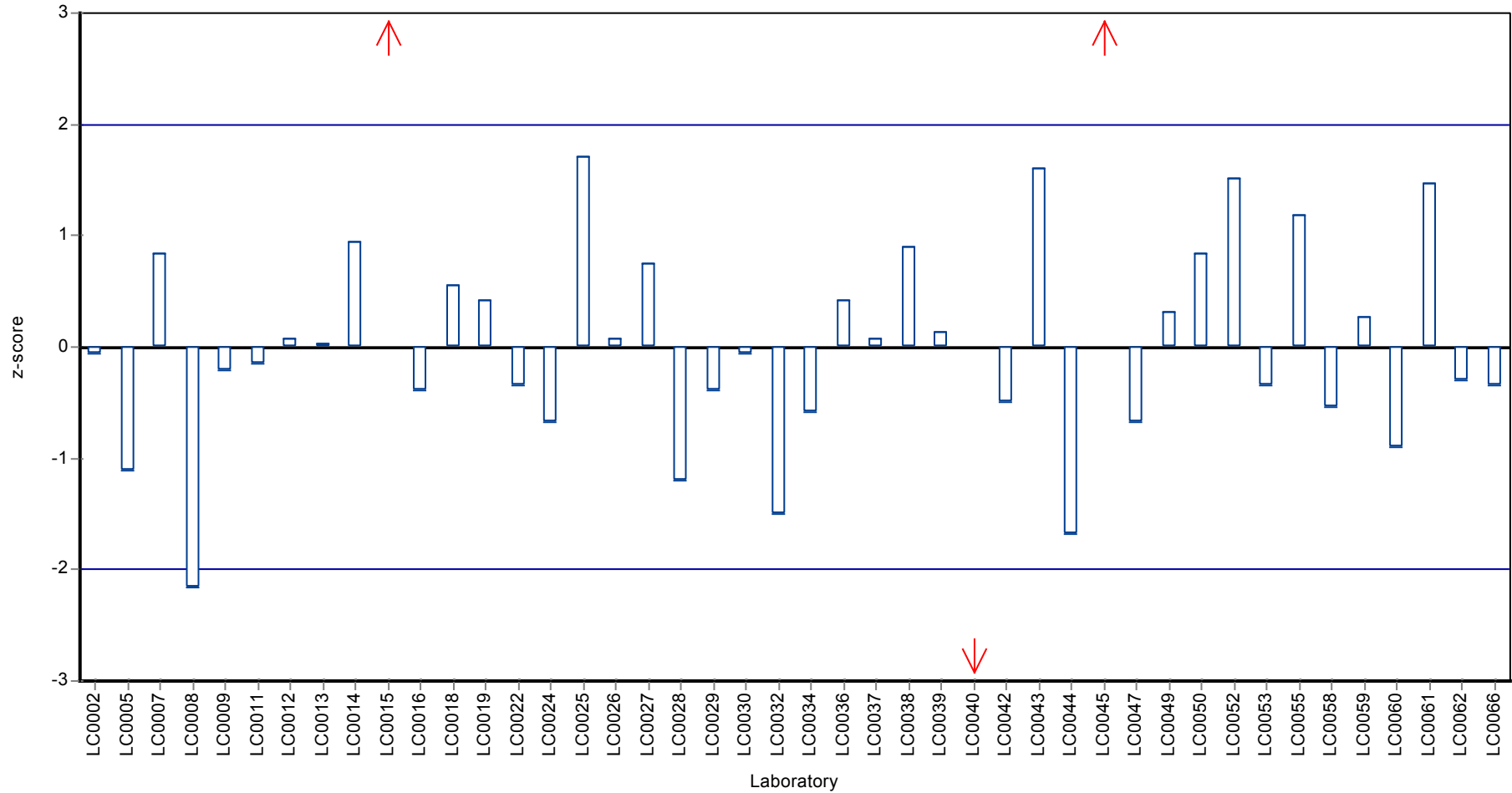
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

El. conductivity (25°C)

Unit	µS/cm	Unit	µS/cm
Assigned value ± U (k=2)	481 ± 6.25	Assigned value ± U (k=2)	481 ± 1.57
Minimum - Maximum	468 - 496	Criterion	6.25 (1.3 %)
Control test value ± U	493 ± 25.1	Minimum - Maximum	468 - 496
		Control test value ± U (k=2)	493 ± 25.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	494	9.34	103	2.06	
LC0002	-	-	-	-	
LC0003	483	13	100	0.3	
LC0004	483	15	100	0.3	
LC0005	473	0.577	98.3	-1.3	
LC0006	453	23	94.2	-4.5	H
LC0007	482	10	100	0.14	
LC0008	484	21	101	0.46	
LC0009	482	24.1	100	0.14	
LC0010	-	-	-	-	
LC0011	481	20	100	-0.02	
LC0012	481	3	100	-0.02	
LC0013	478	14.3	99.4	-0.5	
LC0014	482	5.2	100	0.14	
LC0015	479.5	1	99.7	-0.26	
LC0016	489	19	102	1.26	
LC0017	486	24	101	0.78	
LC0018	475	9.5	98.7	-0.98	
LC0019	485	41.2	101	0.62	
LC0020	480	18	99.8	-0.18	
LC0021	482	10	100	0.14	
LC0022	473	10	98.3	-1.3	
LC0023	-	-	-	-	
LC0024	477	9.54	99.1	-0.66	
LC0025	482	3	100	0.14	
LC0026	468	18.7	97.3	-2.1	
LC0027	480	14.4	99.8	-0.18	
LC0028	485.4	1.5	101	0.68	
LC0029	479	9	99.6	-0.34	
LC0030	483	4.51	100	0.3	
LC0031	440.5	21.92	91.6	-6.49	H
LC0032	496	12.2	103	2.38	
LC0033	478	18	99.4	-0.5	
LC0034	478	11	99.4	-0.5	
LC0035	474	19	98.5	-1.14	
LC0036	485	9.7	101	0.62	
LC0037	480	14	99.8	-0.18	
LC0038	476	14	98.9	-0.82	
LC0039	481	51.2	100	-0.02	
LC0040	475	28.5	98.7	-0.98	
LC0041	482	15	100	0.14	

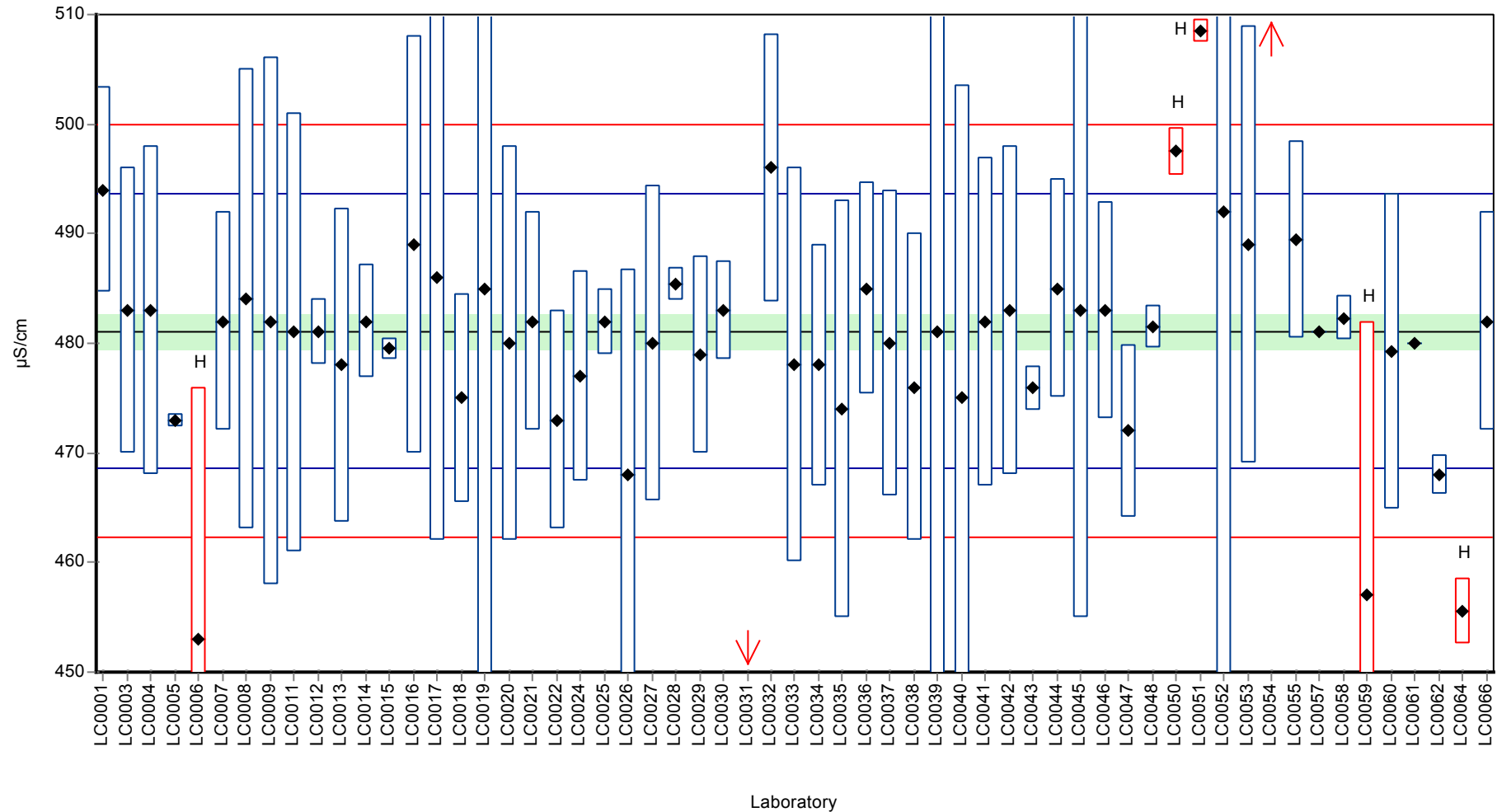
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	483	15	100	0.3	
LC0043	475.9	2	98.9	-0.83	
LC0044	485	10	101	0.62	
LC0045	483	28	100	0.3	
LC0046	483	9.95	100	0.3	
LC0047	472	7.92	98.1	-1.46	
LC0048	481.5	2	100	0.06	
LC0049	-	-	-	-	
LC0050	497.5	2.15	103	2.62	H
LC0051	508.5	1	106	4.38	H
LC0052	492	49	102	1.74	
LC0053	489	20	102	1.26	
LC0054	541	25	112	9.57	H
LC0055	489.5	9	102	1.34	
LC0056	-	-	-	-	
LC0057	481	-	100	-0.02	
LC0058	482.3	2	100	0.19	
LC0059	457	25	95	-3.86	H
LC0060	479.3	14.4	99.6	-0.29	
LC0061	480	-	99.8	-0.18	
LC0062	468	1.79	97.3	-2.1	
LC0063	-	-	-	-	
LC0064	455.6	3	94.7	-4.08	H
LC0065	-	-	-	-	
LC0066	482	10	100	0.14	
LC0067	-	-	-	-	

Characteristics of parameter

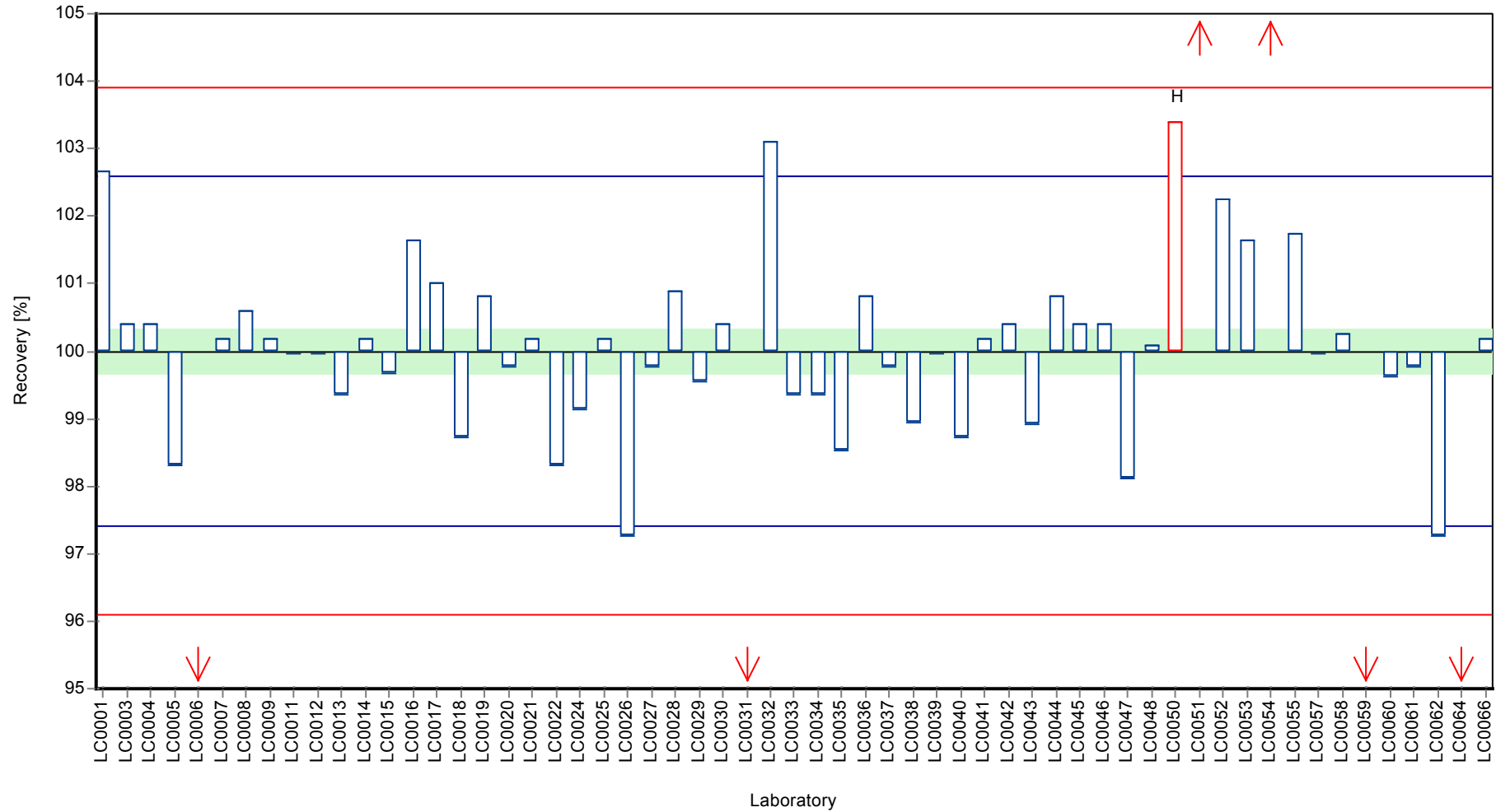
	all results	without outliers	Unit
Mean ± CI (99%)	481 ± 5.1	481 ± 2.35	µS/cm
Minimum	440	468	µS/cm
Maximum	541	496	µS/cm
Standard deviation	13.1	5.64	µS/cm
rel. standard deviation	2.72	1.17	%
n	59	52	-

Graphical presentation of results

Results



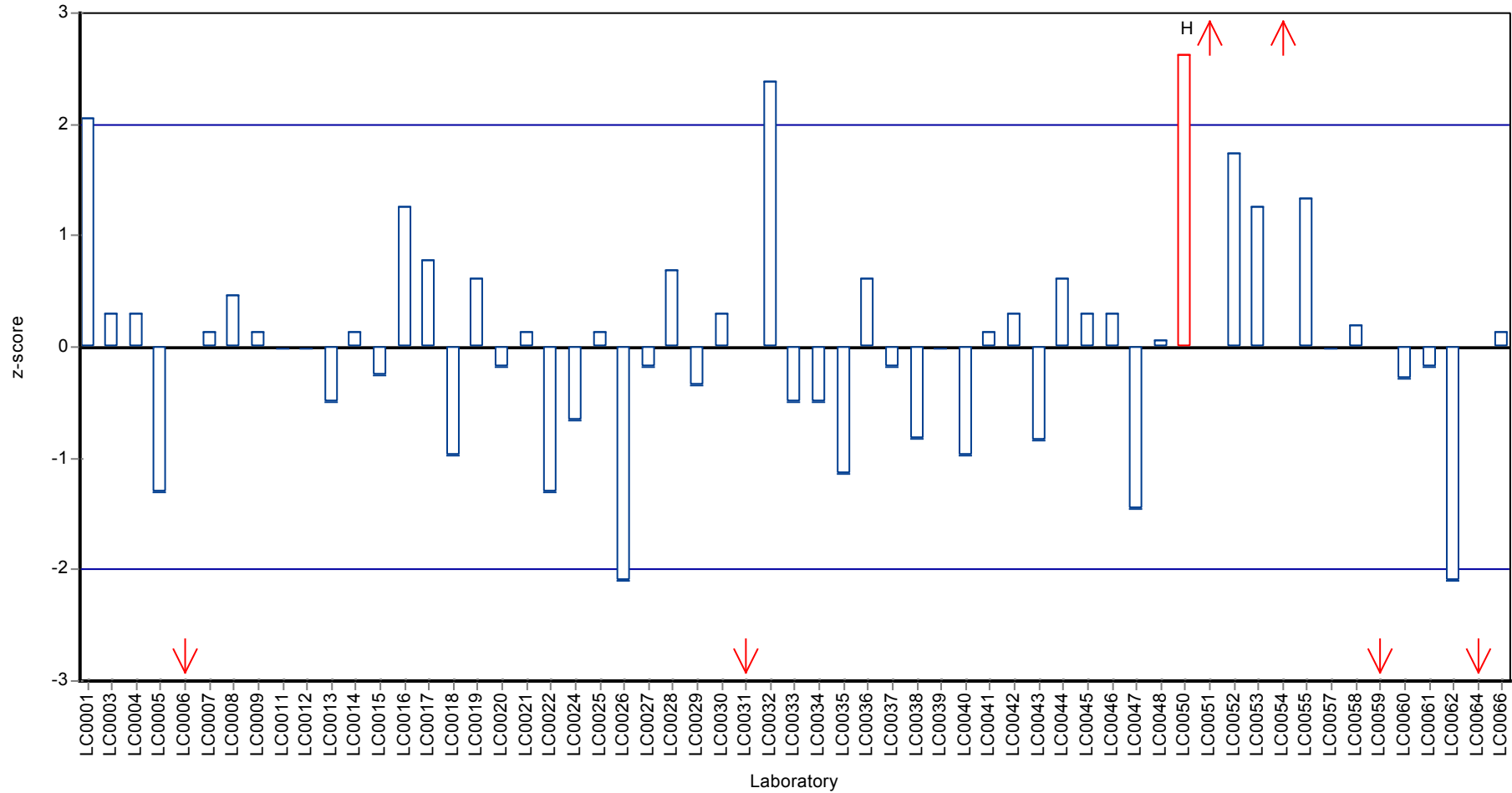
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145A, Parameter: El. conductivity (25°C)

Z-score



Parameter oriented report

N145 B

El. conductivity (25°C)

Unit	µS/cm
Assigned value ± U (k=2)	498 ± 6.48
Minimum - Maximum	487 - 508
Control test value ± U	511 ± 26.6

Unit	µS/cm
Assigned value ± U (k=2)	498 ± 1.43
Criterion	6.48 (1.3 %)
Minimum - Maximum	487 - 508
Control test value ± U (k=2)	511 ± 26.6

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	508	9.6	102	1.5	
LC0002	-	-	-	-	
LC0003	502	13.6	101	0.57	
LC0004	501	16	101	0.42	
LC0005	491	0.577	98.5	-1.13	
LC0006	468	23	93.9	-4.68	H
LC0007	501	10	101	0.42	
LC0008	501.5	21	101	0.49	
LC0009	503	25.2	101	0.73	
LC0010	-	-	-	-	
LC0011	497	20	99.7	-0.2	
LC0012	500	3	100	0.26	
LC0013	496	14.9	99.5	-0.35	
LC0014	499	5	100	0.11	
LC0015	497.5	1	99.8	-0.12	
LC0016	504	20	101	0.88	
LC0017	506	25	102	1.19	
LC0018	494	9.9	99.1	-0.66	
LC0019	498	42.3	99.9	-0.05	
LC0020	501	19	101	0.42	
LC0021	500	10	100	0.26	
LC0022	497	10	99.7	-0.2	
LC0023	-	-	-	-	
LC0024	484	9.69	97.1	-2.21	H
LC0025	501	3	101	0.42	
LC0026	487	19.5	97.7	-1.74	
LC0027	497	14.9	99.7	-0.2	
LC0028	501	1.5	101	0.42	
LC0029	496	9	99.5	-0.35	
LC0030	501	4.51	101	0.42	
LC0031	449.5	3.536	90.2	-7.53	H
LC0032	499	12.3	100	0.11	
LC0033	497	18	99.7	-0.2	
LC0034	497	11	99.7	-0.2	
LC0035	493	20	98.9	-0.82	
LC0036	504	10.08	101	0.88	
LC0037	499	15	100	0.11	
LC0038	492	15	98.7	-0.97	
LC0039	498	52.99	99.9	-0.05	
LC0040	490	29.4	98.3	-1.28	
LC0041	501	16	101	0.42	

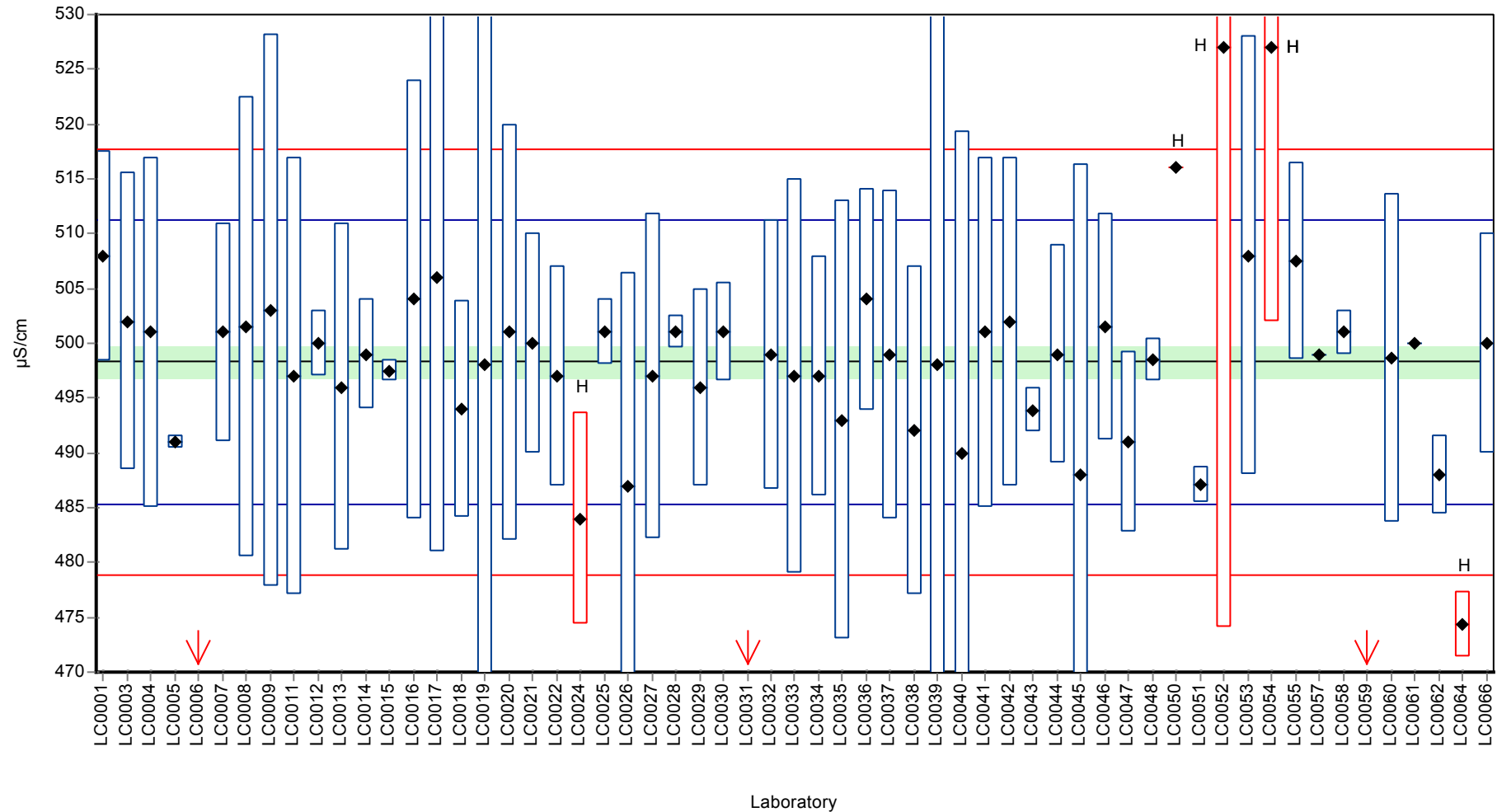
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	502	15	101	0.57	
LC0043	493.9	2	99.1	-0.68	
LC0044	499	10	100	0.11	
LC0045	488	28.3	97.9	-1.59	
LC0046	501.5	10.3	101	0.49	
LC0047	491	8.24	98.5	-1.13	
LC0048	498.5	2	100	0.03	
LC0049	-	-	-	-	
LC0050	516	0.1	104	2.73	H
LC0051	487.1	1.7	97.8	-1.73	
LC0052	527	53	106	4.43	H
LC0053	508	20	102	1.5	
LC0054	527	25	106	4.43	H
LC0055	507.5	9	102	1.42	
LC0056	-	-	-	-	
LC0057	499	-	100	0.11	
LC0058	501	2	101	0.42	
LC0059	452	25	90.7	-7.15	H
LC0060	498.7	15	100	0.06	
LC0061	500	-	100	0.26	
LC0062	488	3.63	97.9	-1.59	
LC0063	-	-	-	-	
LC0064	474.3	3	95.2	-3.7	H
LC0065	-	-	-	-	
LC0066	500	10	100	0.26	
LC0067	-	-	-	-	

Characteristics of parameter

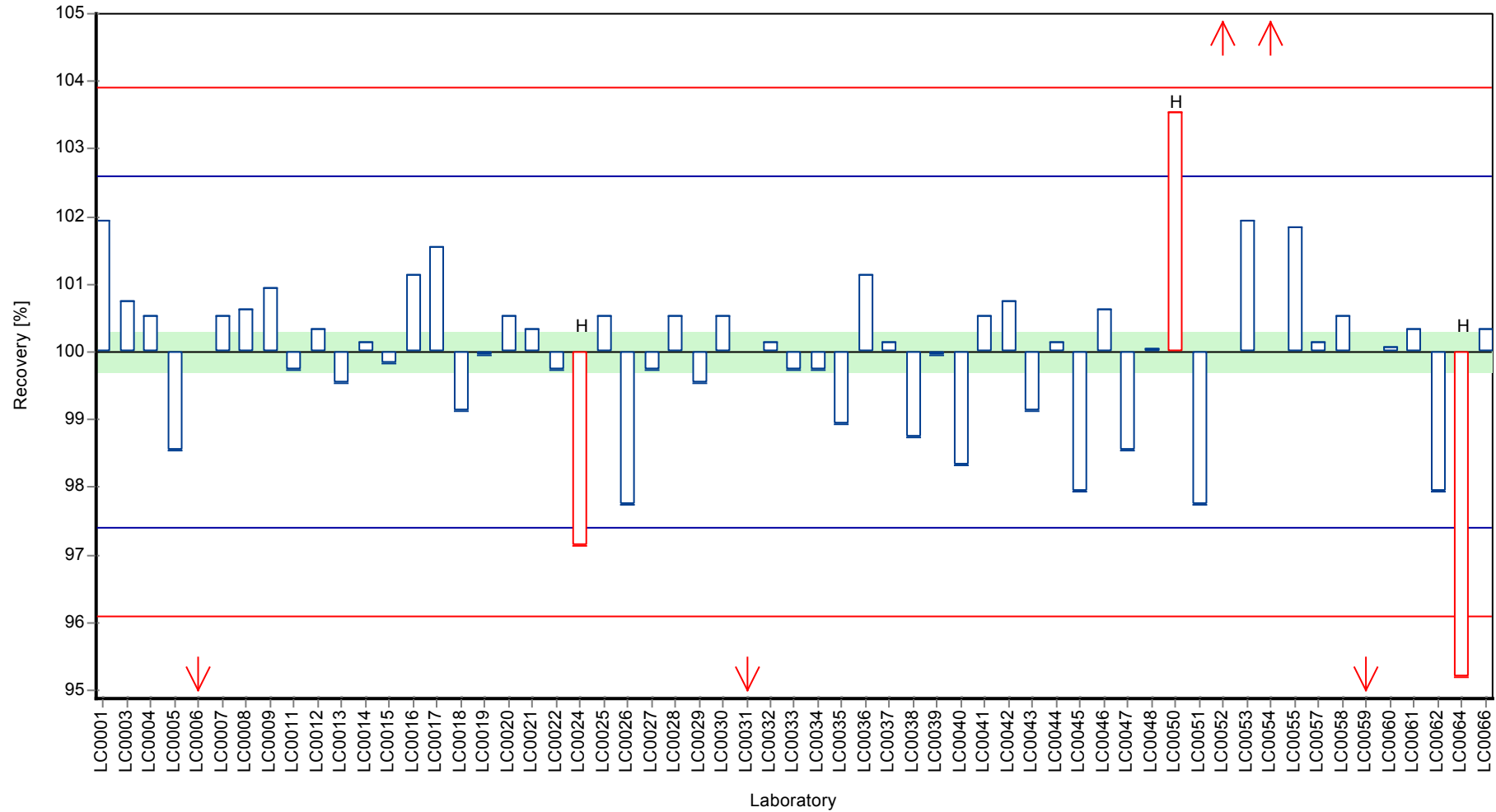
	all results	without outliers	Unit
Mean ± CI (99%)	497 ± 4.96	498 ± 2.15	µS/cm
Minimum	450	487	µS/cm
Maximum	527	508	µS/cm
Standard deviation	12.7	5.11	µS/cm
rel. standard deviation	2.56	1.03	%
n	59	51	-

Graphical presentation of results

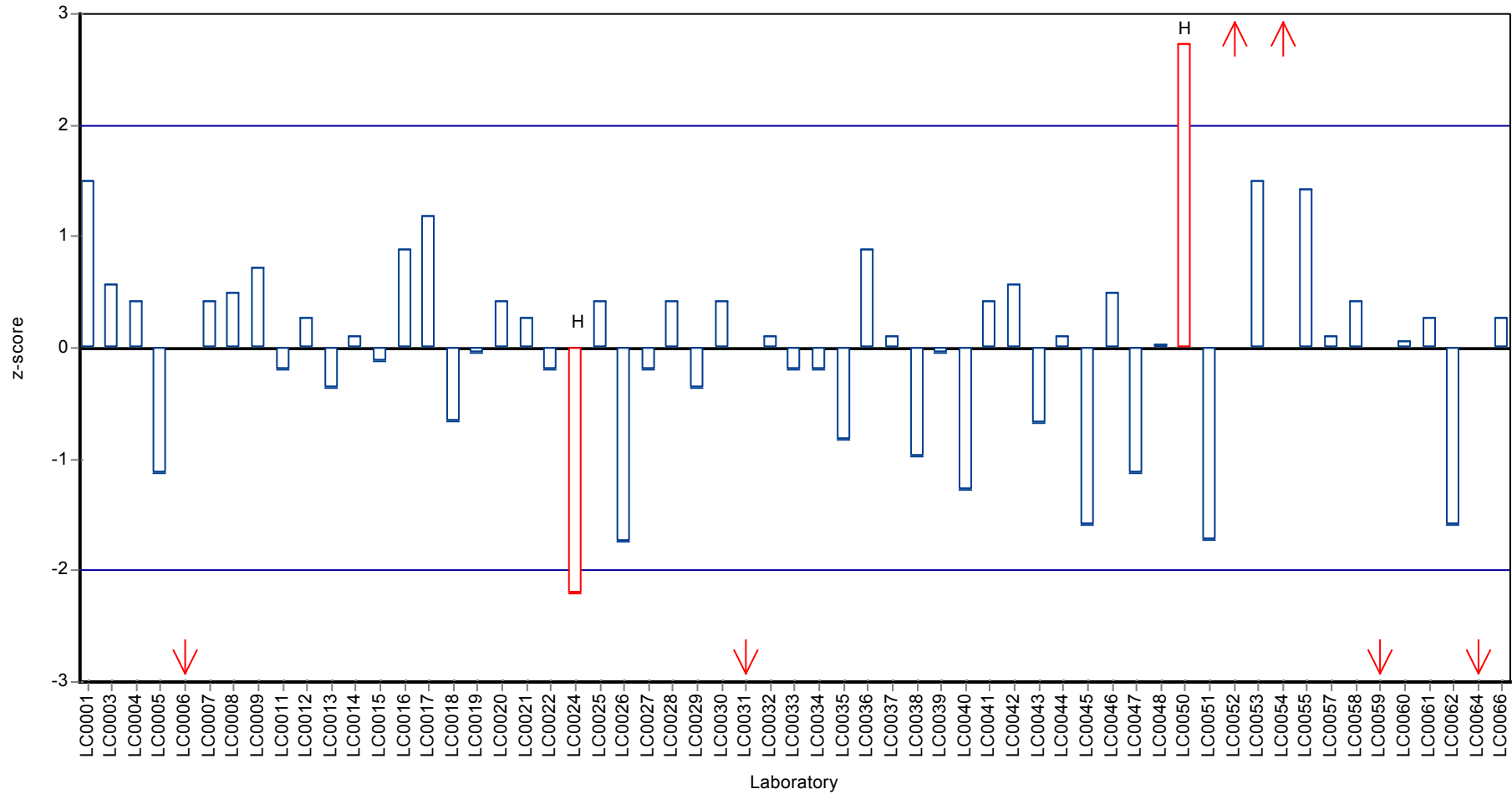
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Total-P (as PO4)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.649 ± 0.0577	Assigned value ± U (k=2)	0.649 ± 0.0119
Minimum - Maximum	0.575 - 0.747	Criterion	0.0577 (8.9 %)
Control test value ± U	0.709 ± 0.0709	Minimum - Maximum	0.575 - 0.747
		Control test value ± U (k=2)	0.709 ± 0.0709

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.5746	0.004	88.6	-1.28	
LC0006	-	-	-	-	
LC0007	0.601	0.06	92.6	-0.83	
LC0008	0.747	0.007	115	1.7	
LC0009	0.659	0.03295	102	0.18	
LC0010	-	-	-	-	
LC0011	0.663	0.08	102	0.25	
LC0012	0.65	0.02	100	0.02	
LC0013	0.602	0.066	92.8	-0.81	
LC0014	0.224	0.013	34.5	-7.36	H
LC0015	0.06	0.01	9.3	-10.2	H
LC0016	0.632	0.074	97.4	-0.29	
LC0017	-	-	-	-	
LC0018	0.644	0.064	99.3	-0.08	
LC0019	0.678	0.048	105	0.51	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.616	0.123	95	-0.57	
LC0023	-	-	-	-	
LC0024	0.622	0.042	95.9	-0.46	
LC0025	0.645	0.3	99.4	-0.06	
LC0026	0.629	0.0944	97	-0.34	
LC0027	0.667	0.033	103	0.32	
LC0028	0.628	0.4	96.8	-0.36	
LC0029	0.684	0.089	105	0.61	
LC0030	0.676	0.065	104	0.47	
LC0031	0.105	0.021	16.2	-9.42	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.688	0.0482	106	0.68	
LC0037	0.655	0.046	101	0.11	
LC0038	0.62	0.09	95.6	-0.5	
LC0039	0.79	0.128	122	2.45	H
LC0040	0.659	0.0659	102	0.18	
LC0041	0.631	0.03	97.3	-0.31	

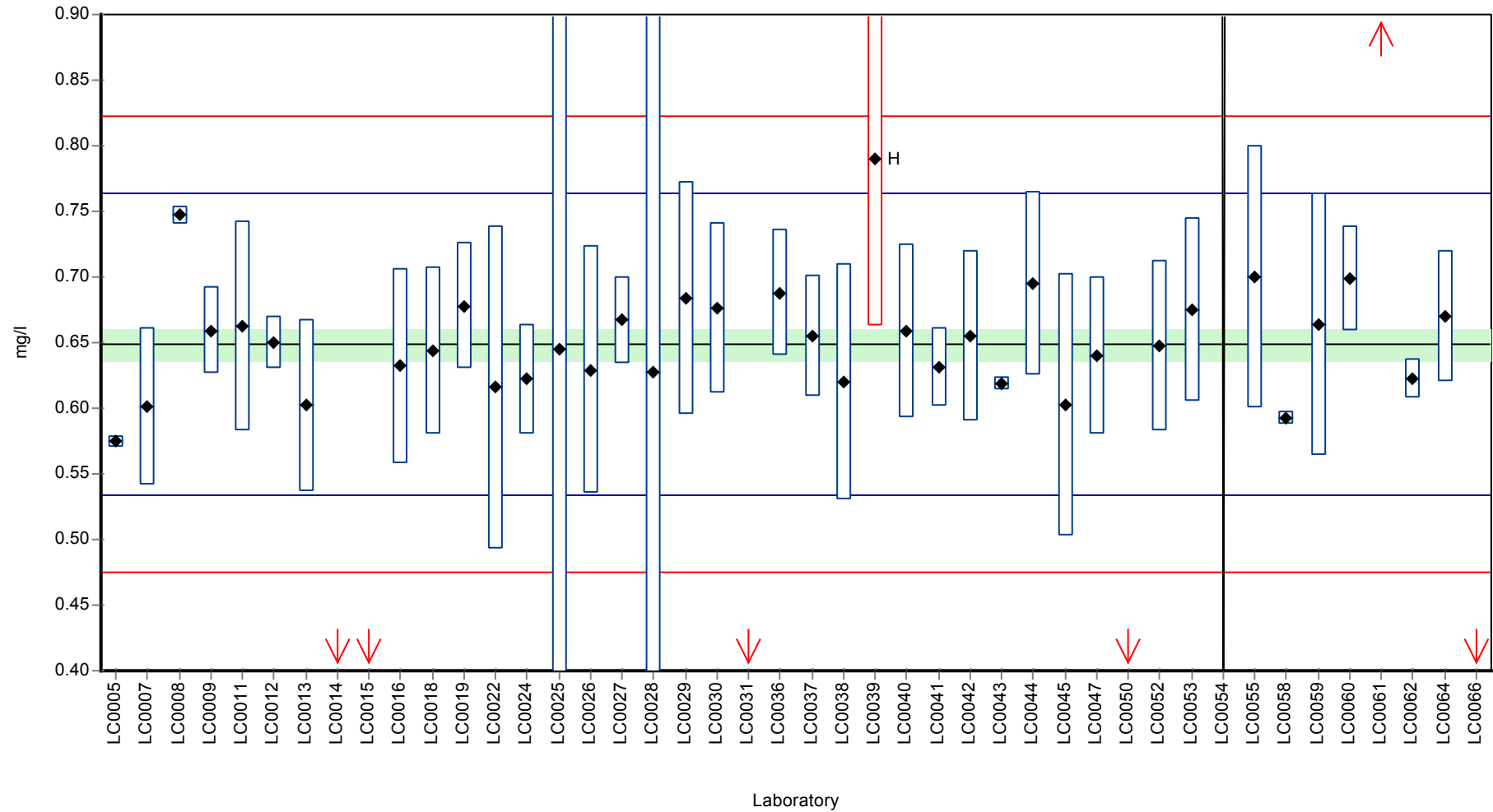
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.655	0.065	101	0.11	
LC0043	0.619	0.005	95.4	-0.52	
LC0044	0.695	0.07	107	0.8	
LC0045	0.603	0.1	93	-0.79	
LC0046	-	-	-	-	
LC0047	0.64	0.06	98.7	-0.15	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.22	0.009	33.9	-7.43	H
LC0051	-	-	-	-	
LC0052	0.648	0.065	99.9	-0.01	
LC0053	0.675	0.07	104	0.46	
LC0054	< 2.3 (LOQ)	-	-	-	
LC0055	0.7	0.1	108	0.89	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.593	0.005	91.4	-0.96	
LC0059	0.664	0.1	102	0.27	
LC0060	0.6989	0.04	108	0.87	
LC0061	640.52	1.8	98700	11100	H
LC0062	0.6222	0.0149	95.9	-0.46	
LC0063	-	-	-	-	
LC0064	0.67	0.05	103	0.37	
LC0065	-	-	-	-	
LC0066	0.058	0.02	8.9	-10.2	H
LC0067	-	-	-	-	

Characteristics of parameter

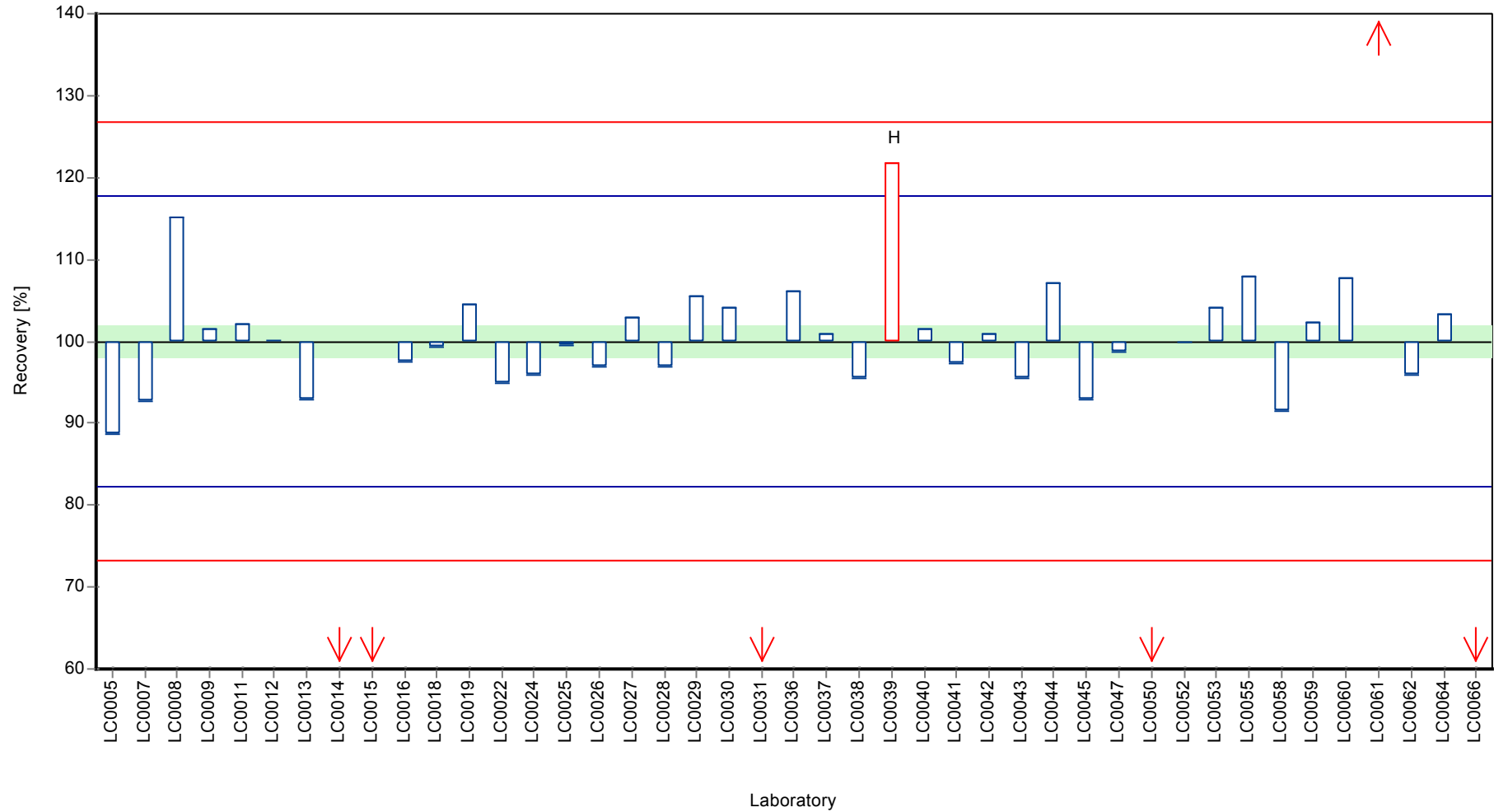
	all results	without outliers	Unit
Mean ± CI (99%)	15.5 ± 44.6	0.649 ± 0.0178	mg/l
Minimum	0.058	0.575	mg/l
Maximum	641	0.747	mg/l
Standard deviation	97.6	0.0356	mg/l
rel. standard deviation	631	5.49	%
n	43	36	-

Graphical presentation of results

Results



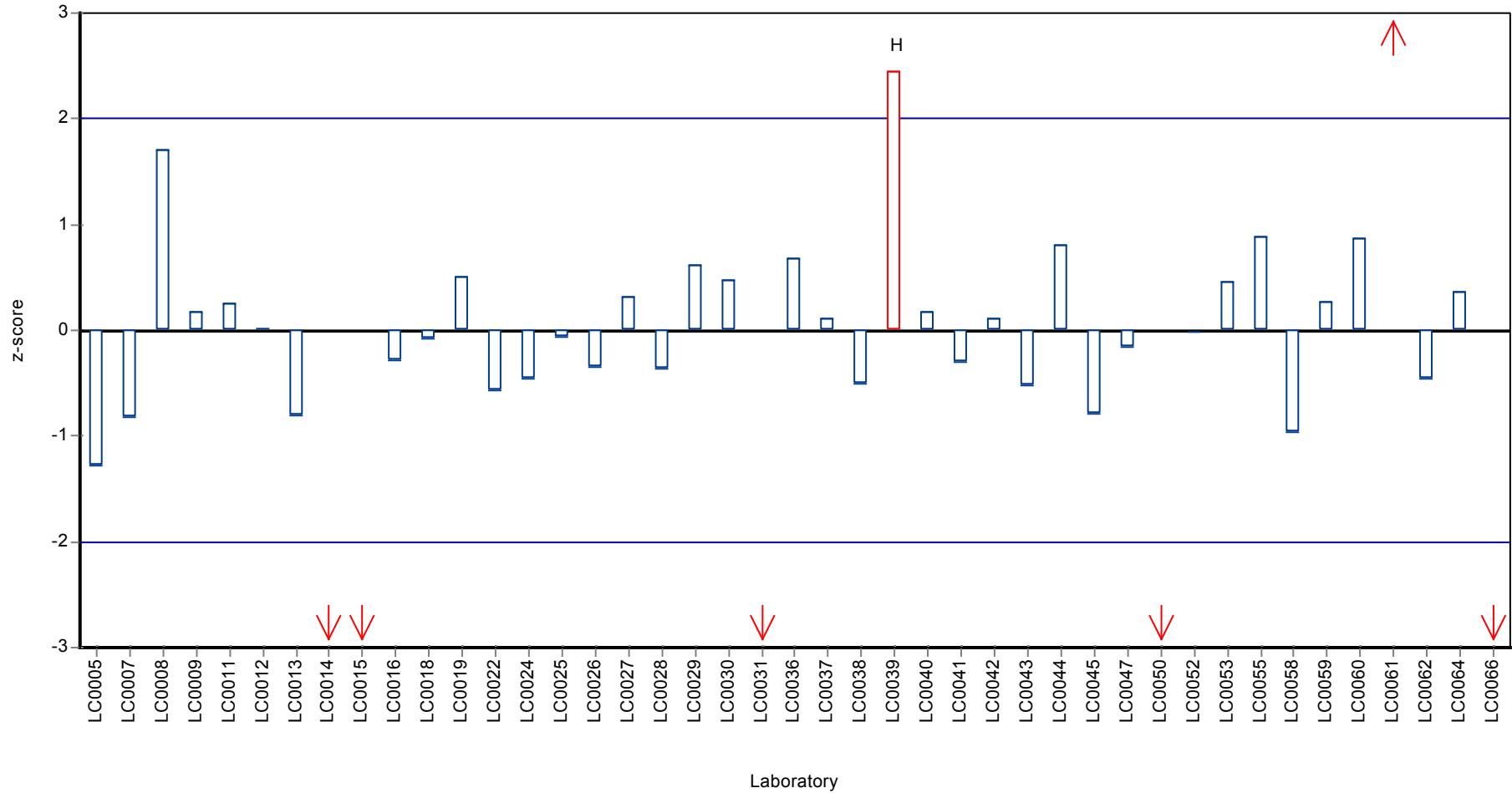
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145A, Parameter: Total-P (as PO₄)

Z-score



Parameter oriented report

N145 B

Total-P (as PO4)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.137 ± 0.0122	Assigned value ± U (k=2)	0.137 ± 0.00336
Minimum - Maximum	0.119 - 0.16	Criterion	0.0122 (8.9 %)
Control test value ± U	0.147 ± 0.0118	Minimum - Maximum	0.119 - 0.16
		Control test value ± U (k=2)	0.147 ± 0.0118

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.1193	0.001	86.9	-1.47	
LC0006	-	-	-	-	
LC0007	0.132	0.013	96.1	-0.43	
LC0008	0.191	0.018	139	4.39	H
LC0009	0.13	0.006	94.7	-0.6	
LC0010	-	-	-	-	
LC0011	0.14	0.02	102	0.22	
LC0012	0.15	0.02	109	1.04	
LC0013	0.158	0.017	115	1.69	
LC0014	0.062	0.0035	45.2	-6.16	H
LC0015	0.034	0.01	24.8	-8.45	H
LC0016	0.129	0.018	94	-0.68	
LC0017	-	-	-	-	
LC0018	0.138	0.0138	101	0.06	
LC0019	0.132	0.0094	96.1	-0.43	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.139	0.028	101	0.14	
LC0023	-	-	-	-	
LC0024	0.132	0.009	96.1	-0.43	
LC0025	0.126	0.006	91.8	-0.93	
LC0026	0.15	0.022	109	1.04	
LC0027	0.143	0.007	104	0.47	
LC0028	0.125	0.4	91	-1.01	
LC0029	0.135	0.018	98.3	-0.19	
LC0030	0.138	0.014	101	0.06	
LC0031	0.07	0.001	51	-5.51	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.1459	0.0102	106	0.7	
LC0037	0.135	0.009	98.3	-0.19	
LC0038	0.12	0.02	87.4	-1.42	
LC0039	0.12	0.0195	87.4	-1.42	
LC0040	0.137	0.0137	99.8	-0.02	
LC0041	0.13	0.006	94.7	-0.6	

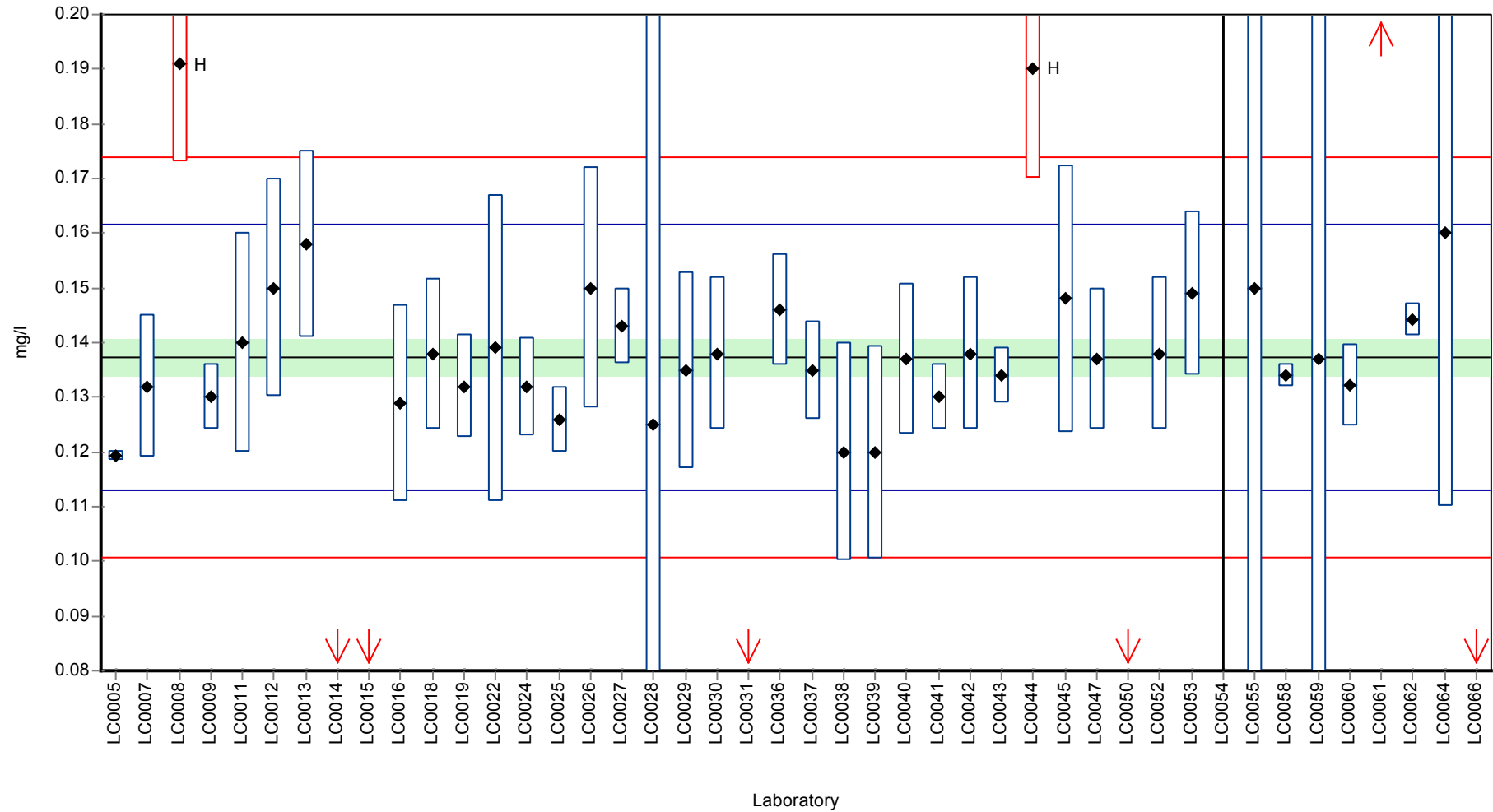
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.138	0.014	101	0.06	
LC0043	0.134	0.005	97.6	-0.27	
LC0044	0.19	0.02	138	4.31	H
LC0045	0.148	0.0245	108	0.88	
LC0046	-	-	-	-	
LC0047	0.137	0.013	99.8	-0.02	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.05	0.007	36.4	-7.14	H
LC0051	-	-	-	-	
LC0052	0.138	0.014	101	0.06	
LC0053	0.149	0.015	109	0.96	
LC0054	< 2.3 (LOQ)	-	-	-	
LC0055	0.15	0.1	109	1.04	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.134	0.002	97.6	-0.27	
LC0059	0.137	0.2	99.8	-0.02	
LC0060	0.1322	0.0075	96.3	-0.42	
LC0061	135.67	0.66	98800	11100	H
LC0062	0.1442	0.003	105	0.56	
LC0063	-	-	-	-	
LC0064	0.16	0.05	117	1.86	
LC0065	-	-	-	-	
LC0066	0.033	0.01	24	-8.54	H
LC0067	-	-	-	-	

Characteristics of parameter

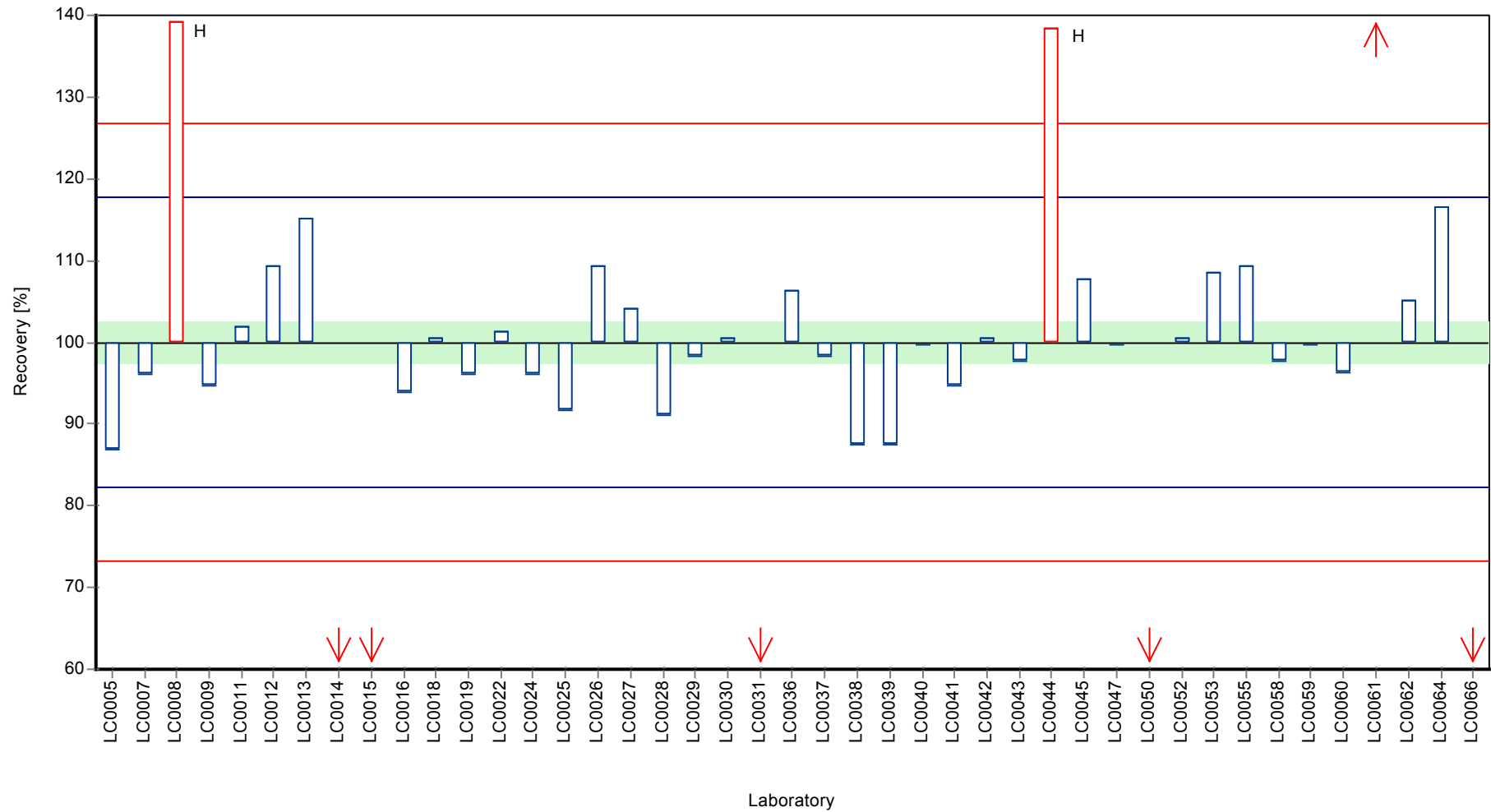
	all results	without outliers	Unit
Mean ± CI (99%)	3.28 ± 9.46	0.137 ± 0.00505	mg/l
Minimum	0.033	0.119	mg/l
Maximum	136	0.16	mg/l
Standard deviation	20.7	0.00995	mg/l
rel. standard deviation	630	7.25	%
n	43	35	-

Graphical presentation of results

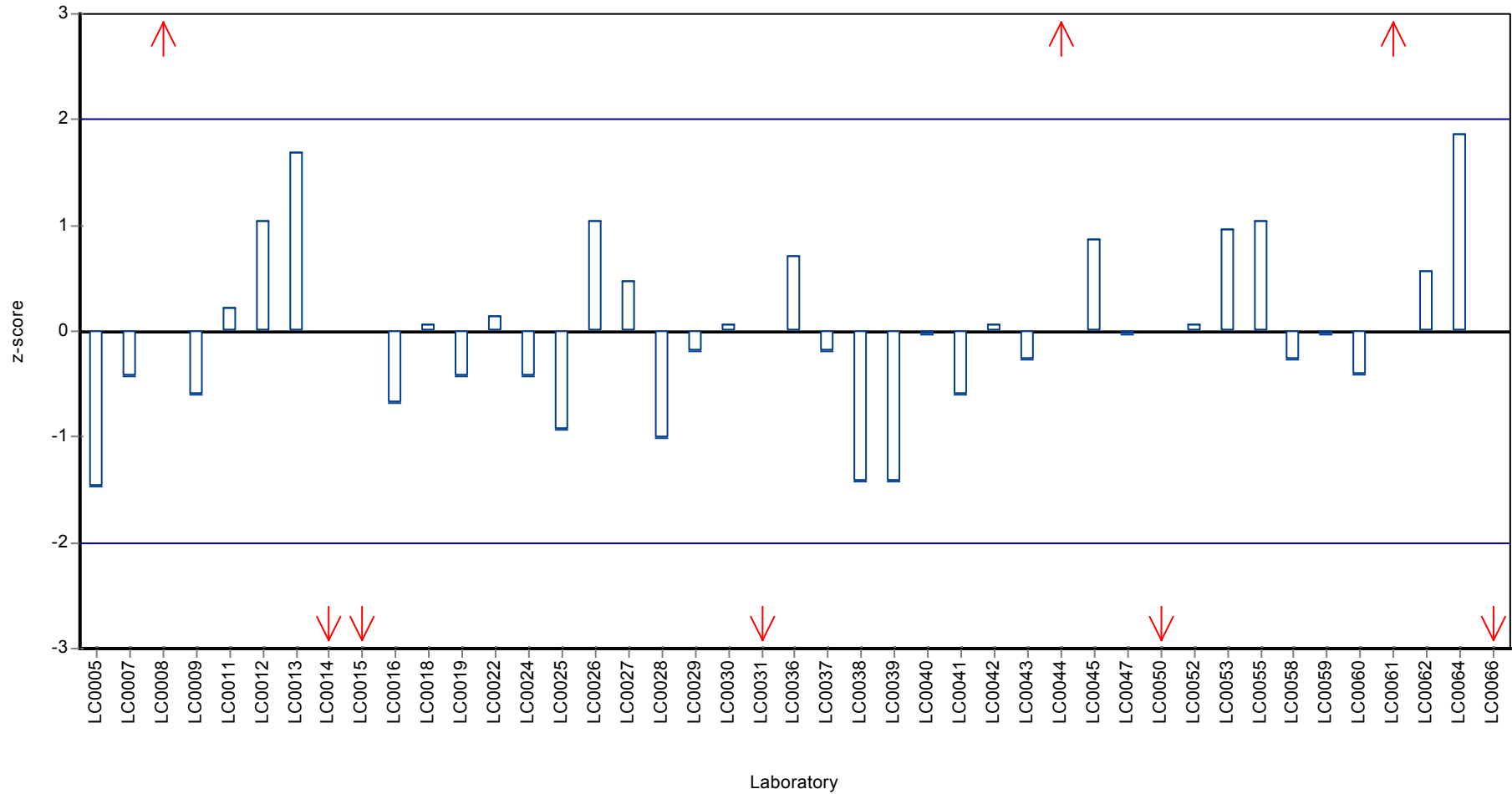
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Total hardness

Unit	mmol/l	Unit	mmol/l
Assigned value ± U (k=2)	2.29 ± 0.0618	Assigned value ± U (k=2)	2.29 ± 0.0172
Minimum - Maximum	2.16 - 2.41	Criterion	0.0618 (2.7 %)
Control test value ± U	2.22 ± 0.233	Minimum - Maximum	2.16 - 2.41
		Control test value ± U (k=2)	2.22 ± 0.233

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.26	0.05	98.7	-0.49	
LC0004	-	-	-	-	
LC0005	2.37	0.014	103	1.29	
LC0006	-	-	-	-	
LC0007	2.3	0.23	100	0.16	
LC0008	2.24	0.001	97.8	-0.81	
LC0009	-	-	-	-	
LC0010	2.41	0.241	105	1.93	
LC0011	2.27	0.1	99.1	-0.33	
LC0012	2.25	0.18	98.2	-0.65	
LC0013	2.38	0.19	104	1.45	
LC0014	2.28	0.14	99.5	-0.17	
LC0015	2.11	0.01	92.1	-2.92	H
LC0016	2.29	0.12	100	-0.01	
LC0017	-	-	-	-	
LC0018	2.25	0.1125	98.2	-0.65	
LC0019	2.32	0.32	101	0.48	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.12	0.21	92.6	-2.75	H
LC0023	-	-	-	-	
LC0024	2.41	0.241	105	1.93	
LC0025	2.2	0.2	96.1	-1.46	
LC0026	2.3	0.23	100	0.16	
LC0027	2.35	0.12	103	0.96	
LC0028	2.3	1	100	0.16	
LC0029	2.3	0.53	100	0.16	
LC0030	2.3	0.2	100	0.16	
LC0031	6.817	0.071	298	73.2	H
LC0032	-	-	-	-	
LC0033	2.27	0.48	99.1	-0.33	
LC0034	2.28	0.09	99.5	-0.17	
LC0035	2.28	2.3	99.5	-0.17	
LC0036	2.269	0.113	99.1	-0.34	
LC0037	2.225	0.223	97.1	-1.06	
LC0038	2.28	0.35	99.5	-0.17	
LC0039	2.34	0.117	102	0.8	
LC0040	2.28	0.171	99.5	-0.17	
LC0041	2.12	0.21	92.6	-2.75	H

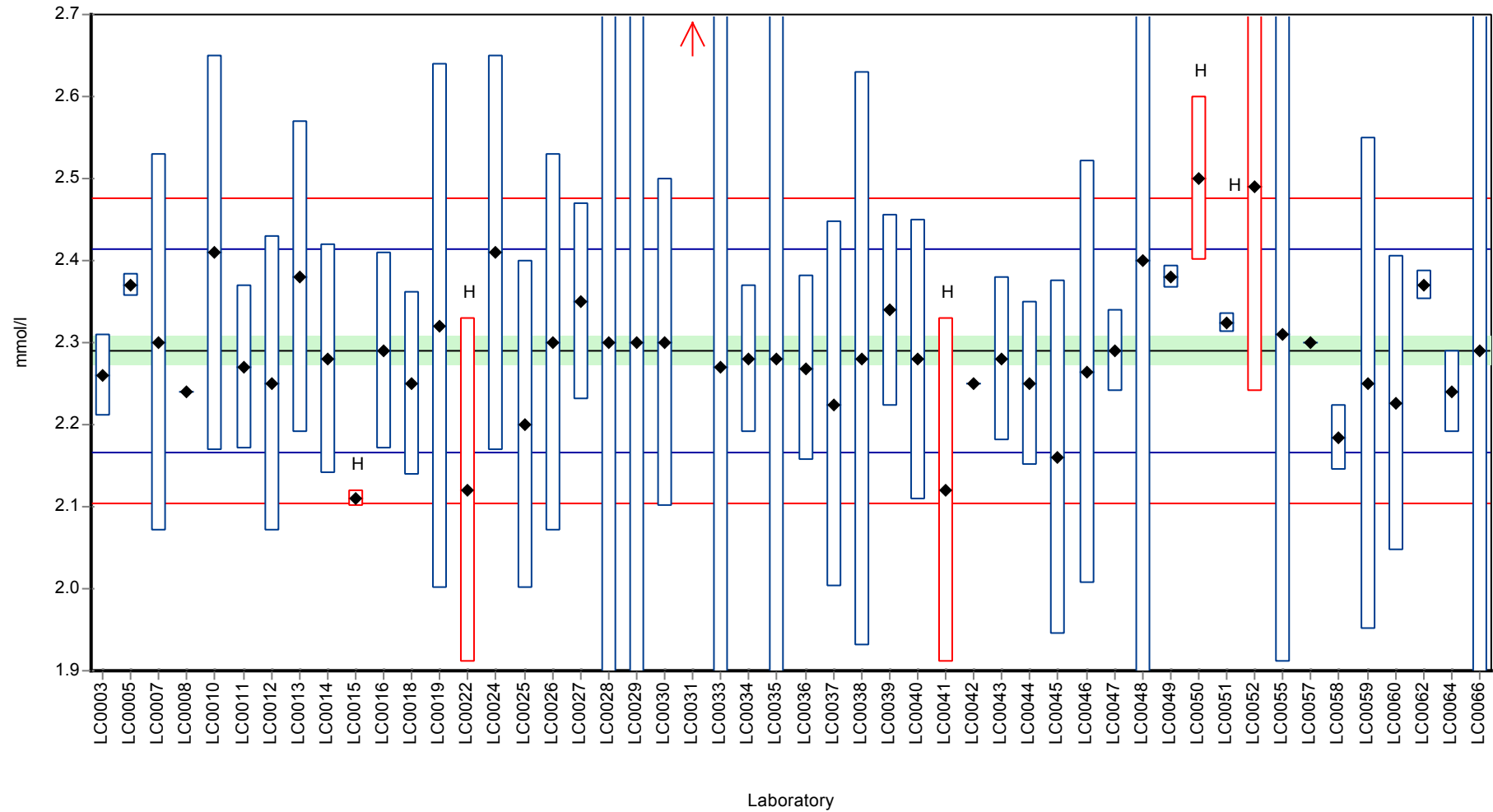
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.25	-	98.2	-0.65	
LC0043	2.28	0.1	99.5	-0.17	
LC0044	2.25	0.1	98.2	-0.65	
LC0045	2.16	0.216	94.3	-2.11	
LC0046	2.265	0.258	98.9	-0.41	
LC0047	2.29	0.05	100	-0.01	
LC0048	2.4	0.53	105	1.77	
LC0049	2.381	0.014	104	1.47	
LC0050	2.5	0.1	109	3.39	H
LC0051	2.325	0.012	102	0.56	
LC0052	2.49	0.25	109	3.23	H
LC0053	-	-	-	-	
LC0054	-	-	-	-	
LC0055	2.31	0.4	101	0.32	
LC0056	-	-	-	-	
LC0057	2.3	-	100	0.16	
LC0058	2.185	0.04	95.4	-1.7	
LC0059	2.25	0.3	98.2	-0.65	
LC0060	2.226	0.18	97.2	-1.04	
LC0061	-	-	-	-	
LC0062	2.37	0.018	103	1.29	
LC0063	-	-	-	-	
LC0064	2.24	0.05	97.8	-0.81	
LC0065	-	-	-	-	
LC0066	2.29	0.48	100	-0.01	
LC0067	-	-	-	-	

Characteristics of parameter

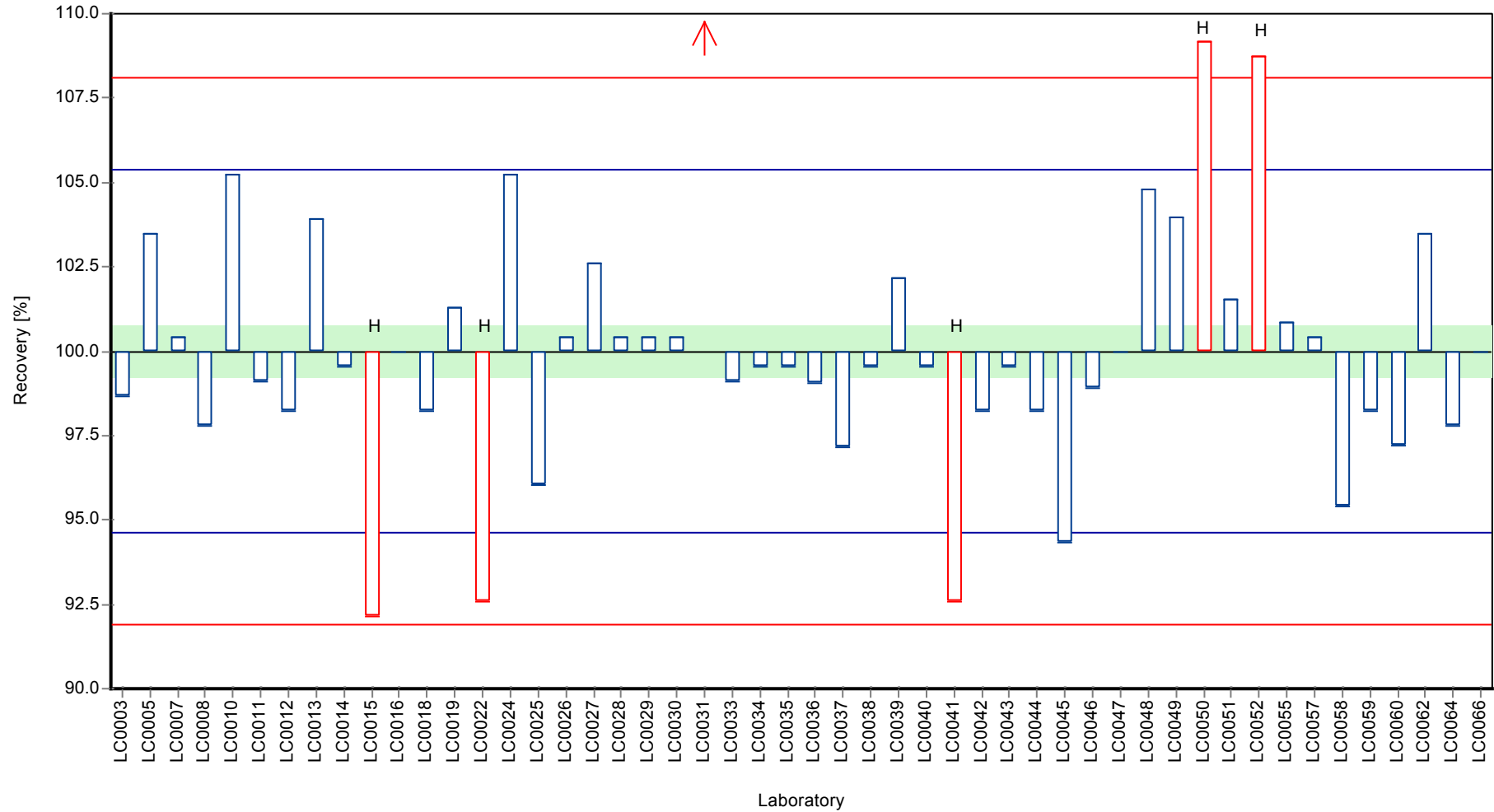
	all results	without outliers	Unit
Mean ± CI (99%)	2.38 ± 0.274	2.29 ± 0.0258	mmol/l
Minimum	2.11	2.16	mmol/l
Maximum	6.82	2.41	mmol/l
Standard deviation	0.645	0.0571	mmol/l
rel. standard deviation	27.1	2.49	%
n	50	44	-

Graphical presentation of results

Results



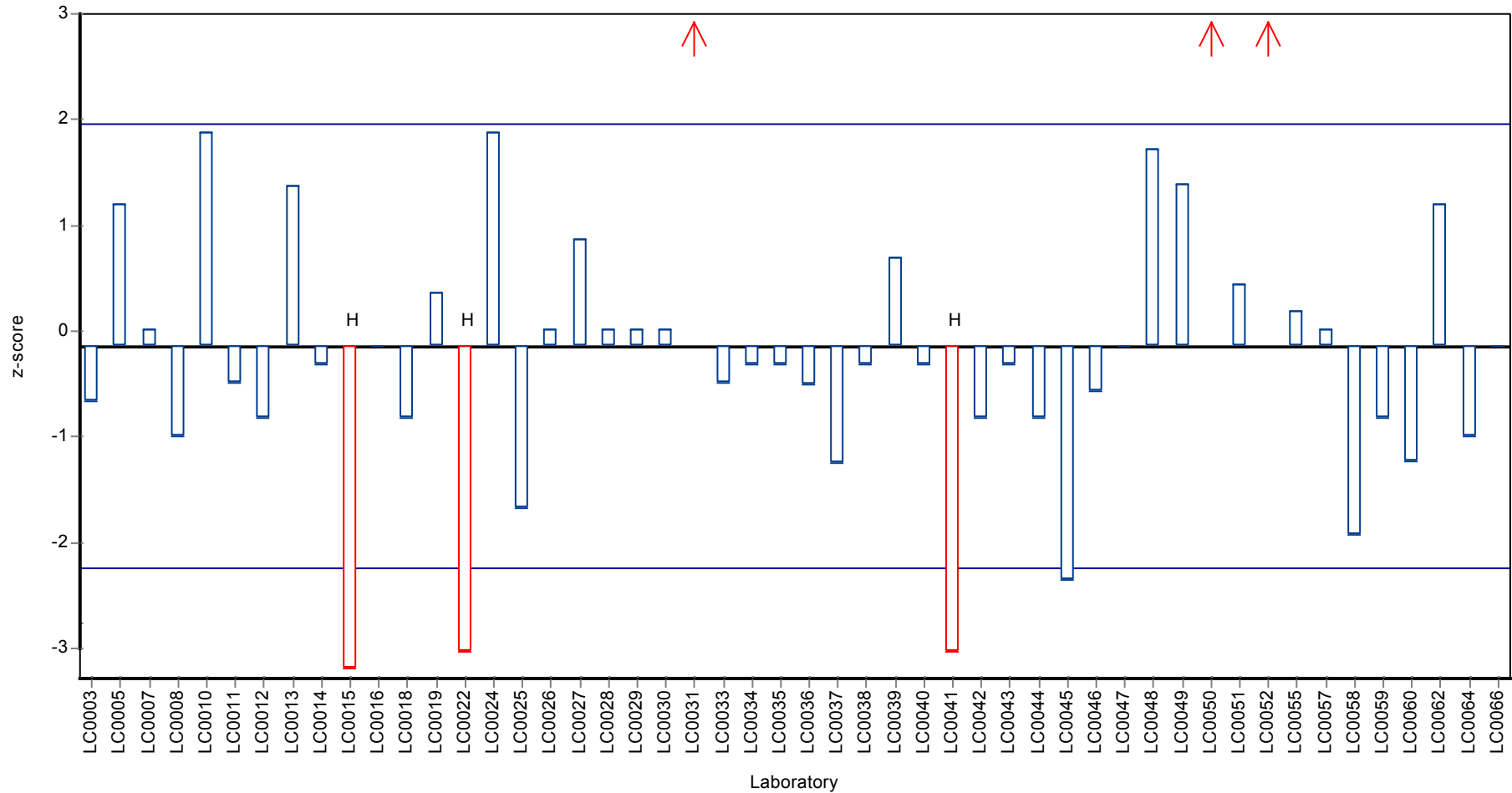
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145A, Parameter: Total hardness

Z-score



Parameter oriented report

N145 B

Total hardness

Unit	mmol/l	Unit	mmol/l
Assigned value ± U (k=2)	2.2 ± 0.0595	Assigned value ± U (k=2)	2.2 ± 0.0157
Minimum - Maximum	2.1 - 2.32	Criterion	0.0595 (2.7 %)
Control test value ± U	2.15 ± 0.226	Minimum - Maximum	2.1 - 2.32
		Control test value ± U (k=2)	2.15 ± 0.226

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.19	0.05	99.4	-0.23	
LC0004	-	-	-	-	
LC0005	2.17	0.082	98.5	-0.56	
LC0006	-	-	-	-	
LC0007	2.2	0.22	99.8	-0.06	
LC0008	2.19	0.001	99.4	-0.23	
LC0009	-	-	-	-	
LC0010	2.3	0.23	104	1.62	
LC0011	2.18	0.1	98.9	-0.39	
LC0012	2.18	0.18	98.9	-0.39	
LC0013	2.28	0.182	103	1.29	
LC0014	2.2	0.13	99.8	-0.06	
LC0015	2.03	0.01	92.1	-2.92	H
LC0016	2.22	0.12	101	0.28	
LC0017	-	-	-	-	
LC0018	2.16	0.108	98	-0.73	
LC0019	2.21	0.3	100	0.11	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	2.02	0.2	91.7	-3.08	H
LC0023	-	-	-	-	
LC0024	2.32	0.232	105	1.96	
LC0025	2.1	0.2	95.3	-1.74	
LC0026	2.193	0.2193	99.5	-0.18	
LC0027	2.26	0.113	103	0.95	
LC0028	2.24	1	102	0.61	
LC0029	2.21	0.51	100	0.11	
LC0030	2.22	0.2	101	0.28	
LC0031	0.343	0.024	15.6	-31.3	H
LC0032	-	-	-	-	
LC0033	2.16	0.48	98	-0.73	
LC0034	2.19	0.09	99.4	-0.23	
LC0035	2.2	0.2	99.8	-0.06	
LC0036	2.166	0.1083	98.3	-0.63	
LC0037	2.154	0.215	97.8	-0.83	
LC0038	2.14	0.32	97.1	-1.07	
LC0039	2.24	0.112	102	0.61	
LC0040	2.2	0.165	99.8	-0.06	
LC0041	2.04	0.2	92.6	-2.75	H

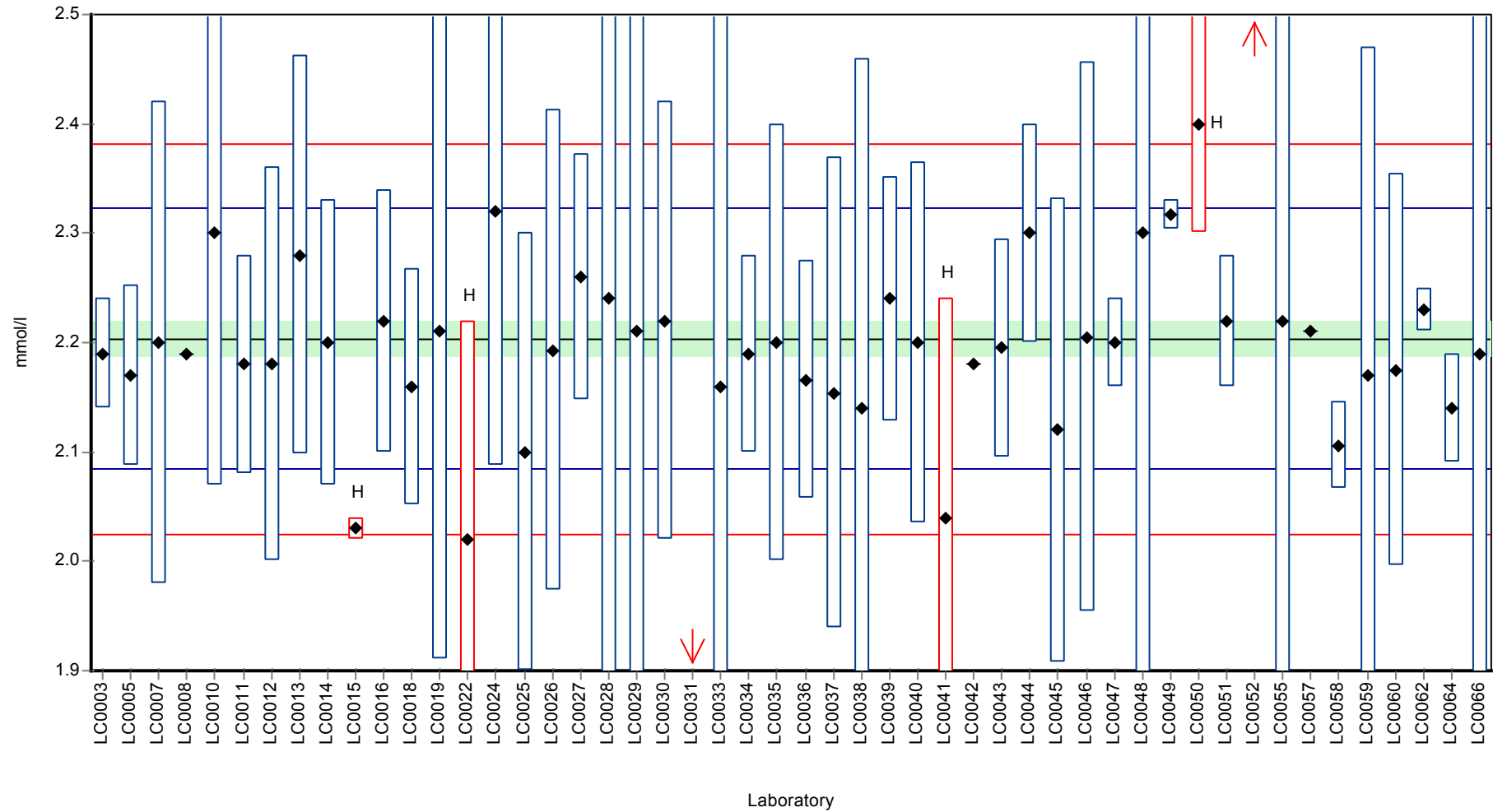
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.18	-	98.9	-0.39	
LC0043	2.195	0.1	99.6	-0.14	
LC0044	2.3	0.1	104	1.62	
LC0045	2.12	0.212	96.2	-1.4	
LC0046	2.205	0.251	100	0.03	
LC0047	2.2	0.04	99.8	-0.06	
LC0048	2.3	0.53	104	1.62	
LC0049	2.317	0.014	105	1.91	
LC0050	2.4	0.1	109	3.3	H
LC0051	2.22	0.06	101	0.28	
LC0052	2.53	0.25	115	5.49	H
LC0053	-	-	-	-	
LC0054	-	-	-	-	
LC0055	2.22	0.4	101	0.28	
LC0056	-	-	-	-	
LC0057	2.211	-	100	0.13	
LC0058	2.106	0.04	95.6	-1.64	
LC0059	2.17	0.3	98.5	-0.56	
LC0060	2.175	0.179	98.7	-0.48	
LC0061	-	-	-	-	
LC0062	2.23	0.019	101	0.45	
LC0063	-	-	-	-	
LC0064	2.14	0.05	97.1	-1.07	
LC0065	-	-	-	-	
LC0066	2.19	0.46	99.4	-0.23	
LC0067	-	-	-	-	

Characteristics of parameter

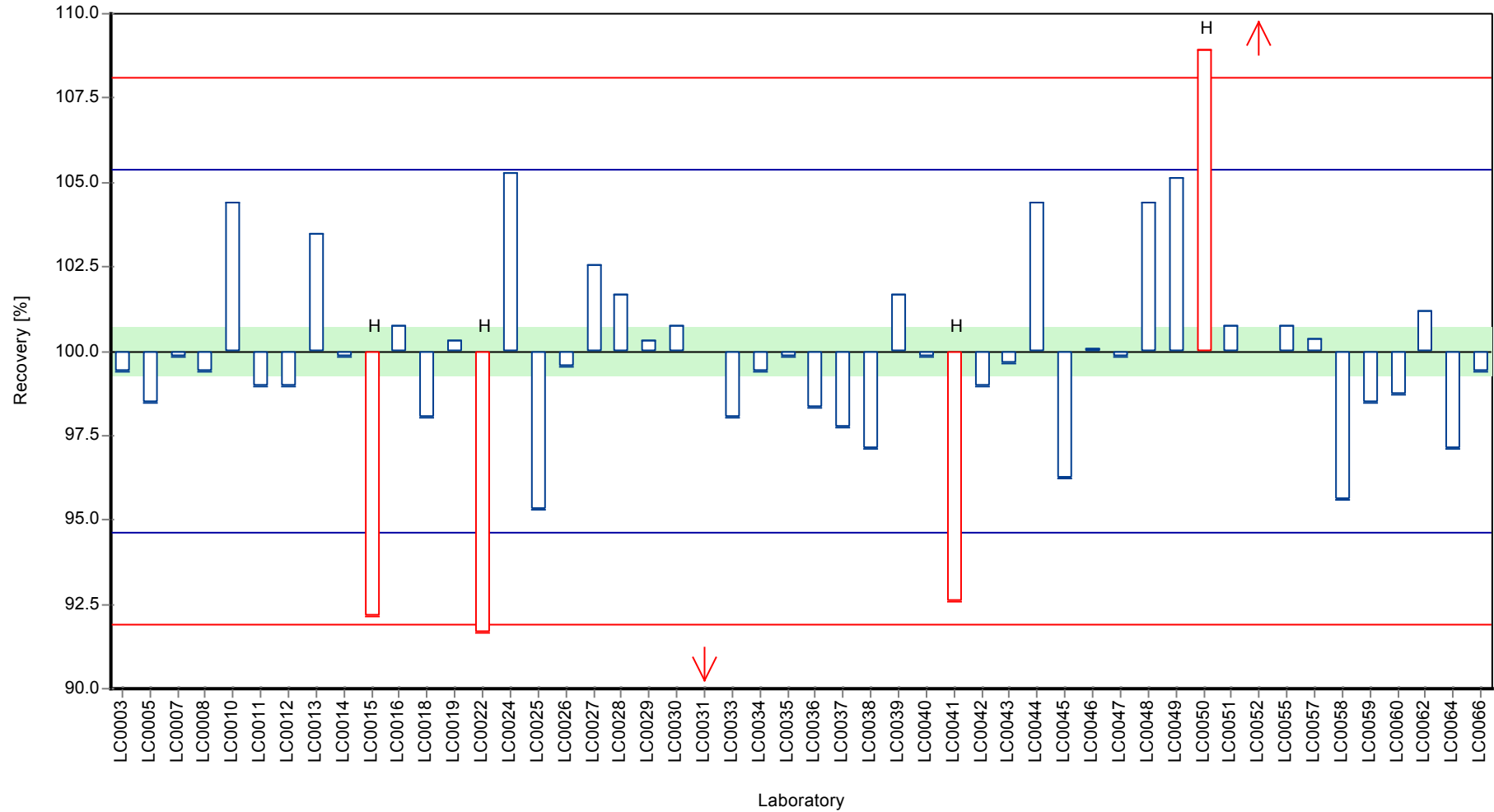
	all results	without outliers	Unit
Mean ± CI (99%)	2.17 ± 0.117	2.2 ± 0.0236	mmol/l
Minimum	0.343	2.1	mmol/l
Maximum	2.53	2.32	mmol/l
Standard deviation	0.276	0.0521	mmol/l
rel. standard deviation	12.8	2.36	%
n	50	44	-

Graphical presentation of results

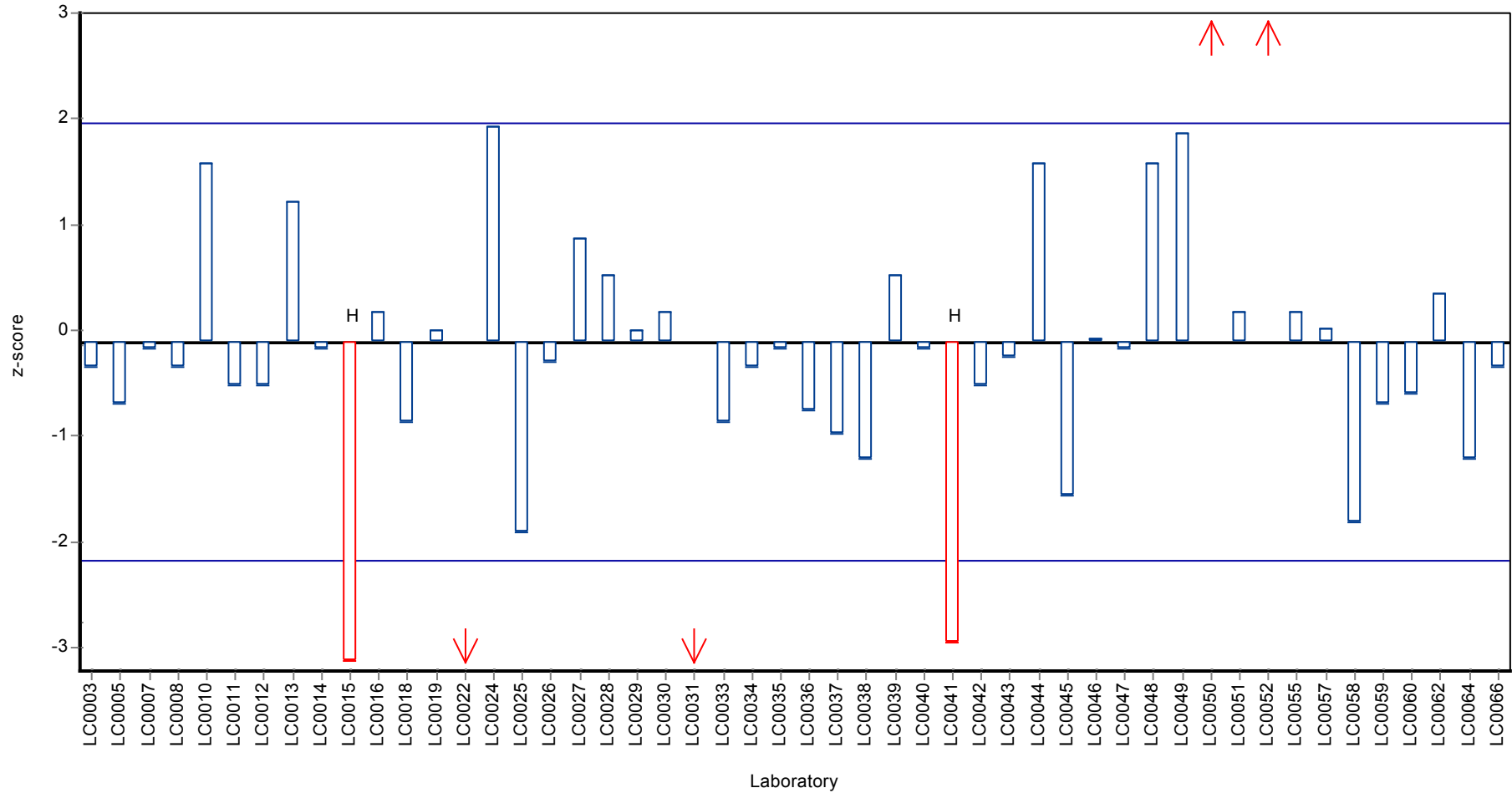
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Total nitrogen

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	7.48 ± 0.628	Assigned value ± U (k=2)	7.48 ± 0.238
Minimum - Maximum	6.2 - 8.97	Criterion	0.628 (8.4 %)
Control test value ± U	7.05 ± 0.423	Minimum - Maximum	6.2 - 8.97
		Control test value ± U (k=2)	7.05 ± 0.423

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	6.99	0.03	93.5	-0.78	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	8.966	0.031	120	2.37	
LC0009	7.26	0.36	97.1	-0.35	
LC0010	-	-	-	-	
LC0011	6.96	0.6	93.1	-0.83	
LC0012	-	-	-	-	
LC0013	7.35	1.54	98.3	-0.21	
LC0014	-	-	-	-	
LC0015	6.51	1.5	87	-1.54	
LC0016	7.2	1	96.3	-0.45	
LC0017	-	-	-	-	
LC0018	7.4	0.74	98.9	-0.13	
LC0019	8.16	0.82	109	1.08	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	7.44	0.74	99.5	-0.06	
LC0023	-	-	-	-	
LC0024	2.68	0.369	35.8	-7.64	H
LC0025	7.69	0.5	103	0.34	
LC0026	8	0.72	107	0.83	
LC0027	6.99	0.35	93.5	-0.78	
LC0028	8.4	2	112	1.46	
LC0029	-	-	-	-	
LC0030	2.69	0.25	36	-7.62	H
LC0031	2.9	0.424	38.8	-7.29	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	7.105	0.497	95	-0.6	
LC0037	6.2	0.6	82.9	-2.04	
LC0038	-	-	-	-	
LC0039	7.27	1.89	97.2	-0.33	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

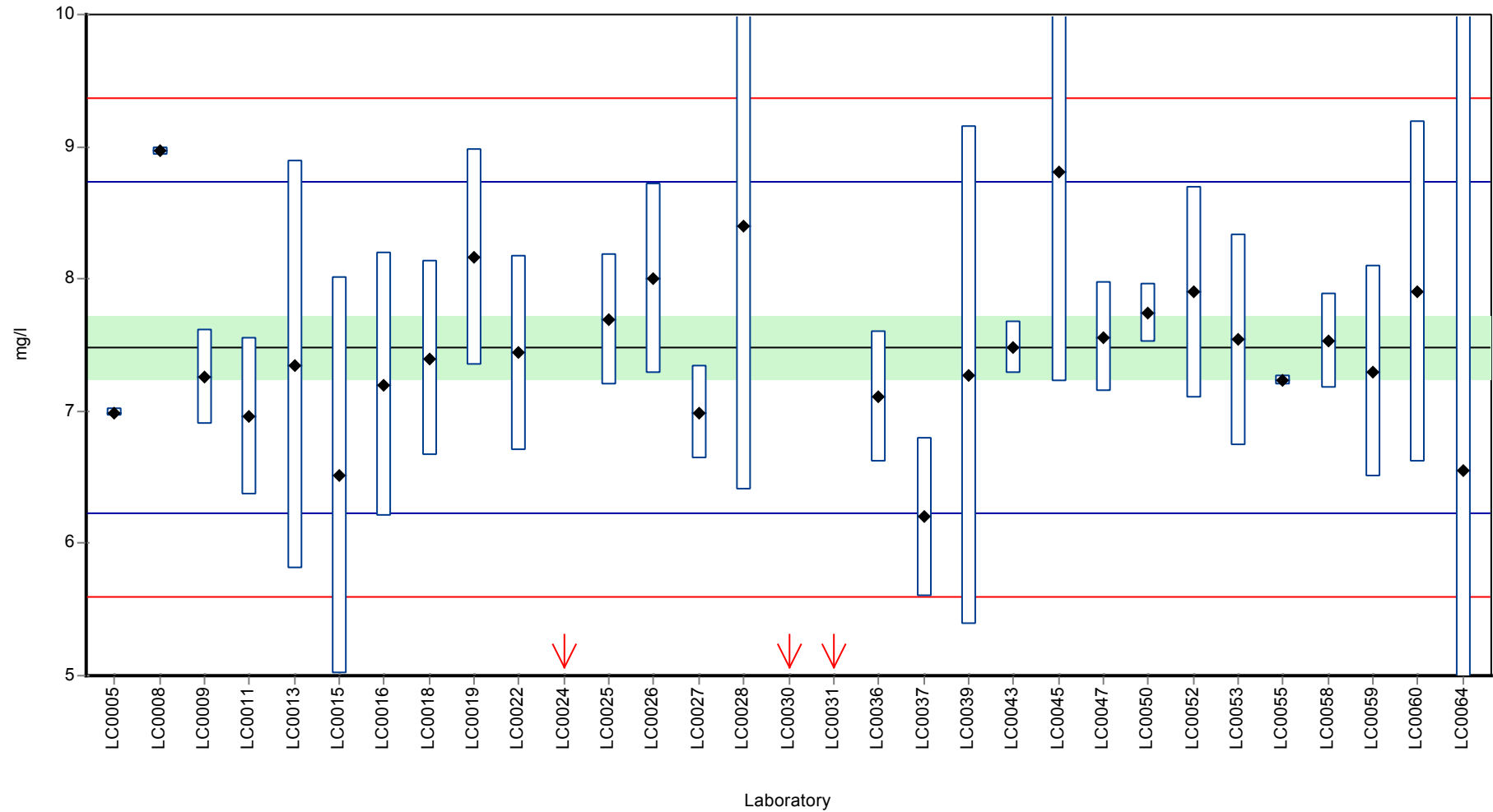
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	7.48	0.2	100	0	
LC0044	-	-	-	-	
LC0045	8.81	1.59	118	2.12	
LC0046	-	-	-	-	
LC0047	7.56	0.419	101	0.13	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	7.74	0.22	103	0.41	
LC0051	-	-	-	-	
LC0052	7.9	0.8	106	0.67	
LC0053	7.54	0.8	101	0.1	
LC0054	-	-	-	-	
LC0055	7.23	0.04	96.7	-0.4	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	7.53	0.36	101	0.08	
LC0059	7.3	0.8	97.6	-0.29	
LC0060	7.902	1.29	106	0.67	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	
LC0064	6.55	5	87.6	-1.48	
LC0065	-	-	-	-	
LC0066	-	-	-	-	
LC0067	-	-	-	-	

Characteristics of parameter

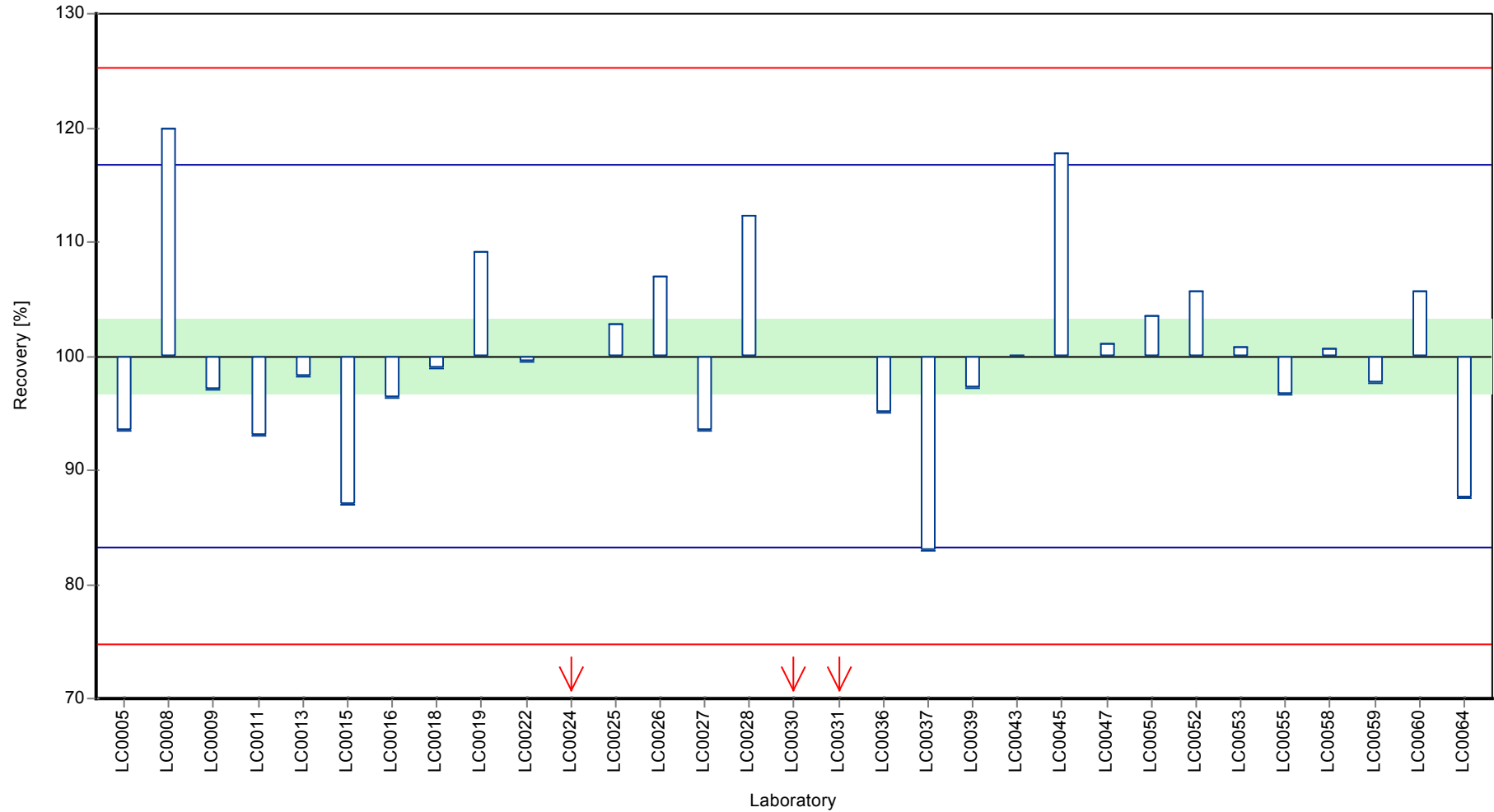
	all results	without outliers	Unit
Mean ± CI (99%)	7.02 ± 0.83	7.48 ± 0.356	mg/l
Minimum	2.68	6.2	mg/l
Maximum	8.97	8.97	mg/l
Standard deviation	1.54	0.628	mg/l
rel. standard deviation	21.9	8.4	%
n	31	28	-

Graphical presentation of results

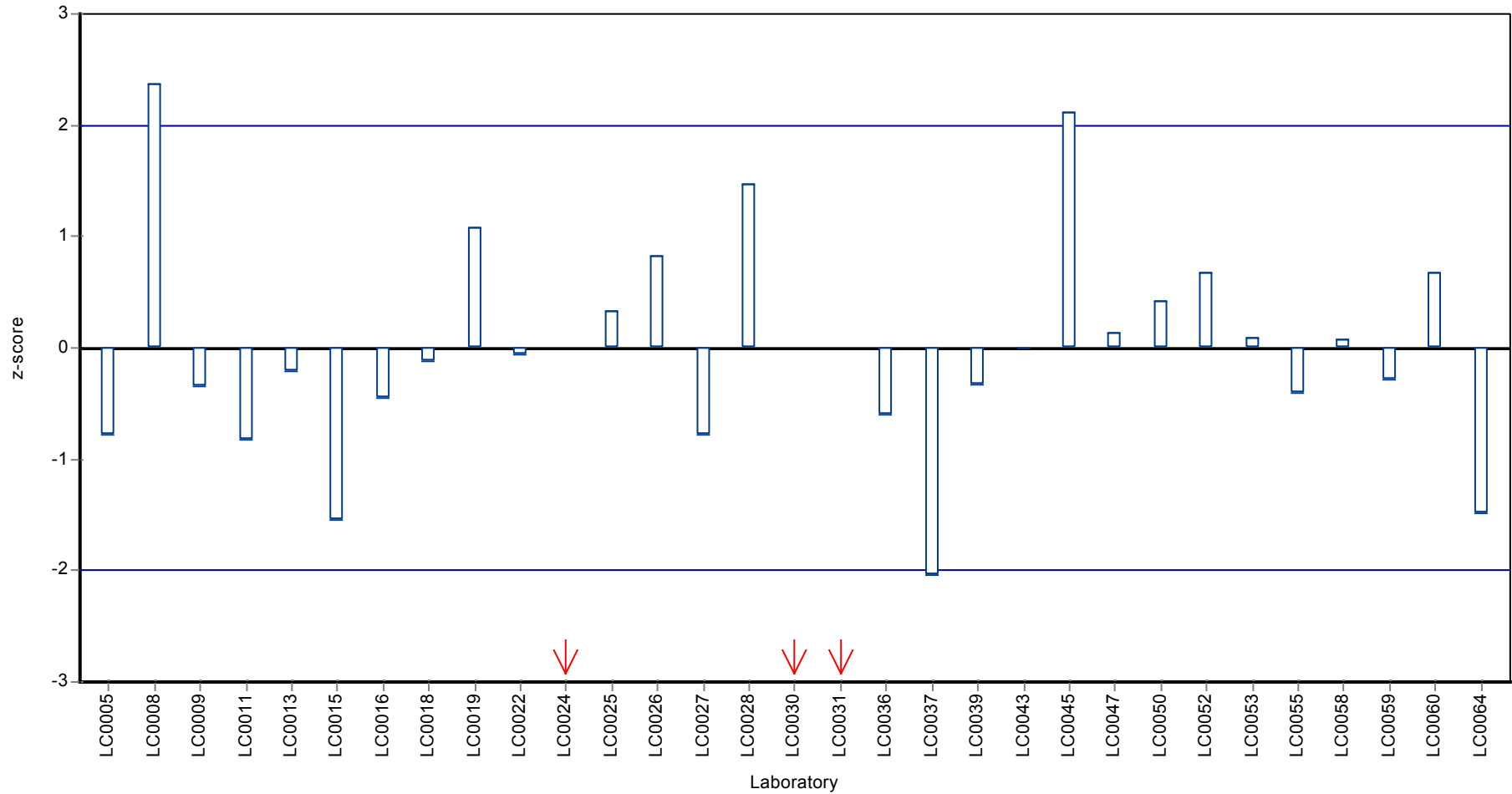
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Total nitrogen

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	3.04 ± 0.252	Assigned value ± U (k=2)	3.04 ± 0.0951
Minimum - Maximum	2.5 - 3.58	Criterion	0.252 (8.3 %)
Control test value ± U	2.78 ± 0.167	Minimum - Maximum	2.5 - 3.58
		Control test value ± U (k=2)	2.78 ± 0.167

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	2.91	0.02	95.8	-0.51	
LC0006	-	-	-	-	
LC0007	-	-	-	-	
LC0008	3.483	0.006	115	1.77	
LC0009	2.9	0.15	95.5	-0.54	
LC0010	-	-	-	-	
LC0011	2.9	0.3	95.5	-0.54	
LC0012	-	-	-	-	
LC0013	2.78	0.584	91.5	-1.02	
LC0014	-	-	-	-	
LC0015	2.89	0.7	95.2	-0.58	
LC0016	3	0.4	98.8	-0.15	
LC0017	-	-	-	-	
LC0018	3.1	0.31	102	0.25	
LC0019	3.22	0.33	106	0.72	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	< 5.4 (LOQ)	-	-	-	
LC0023	-	-	-	-	
LC0024	2.7	0.373	88.9	-1.34	
LC0025	3.34	0.2	110	1.2	
LC0026	3.1	0.28	102	0.25	
LC0027	2.8	0.14	92.2	-0.94	
LC0028	3.58	2	118	2.15	
LC0029	-	-	-	-	
LC0030	2.97	0.27	97.8	-0.27	
LC0031	1.15	0.283	37.9	-7.49	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	3.115	0.218	103	0.31	
LC0037	2.5	0.25	82.3	-2.13	
LC0038	-	-	-	-	
LC0039	2.95	0.766	97.1	-0.35	
LC0040	-	-	-	-	
LC0041	-	-	-	-	

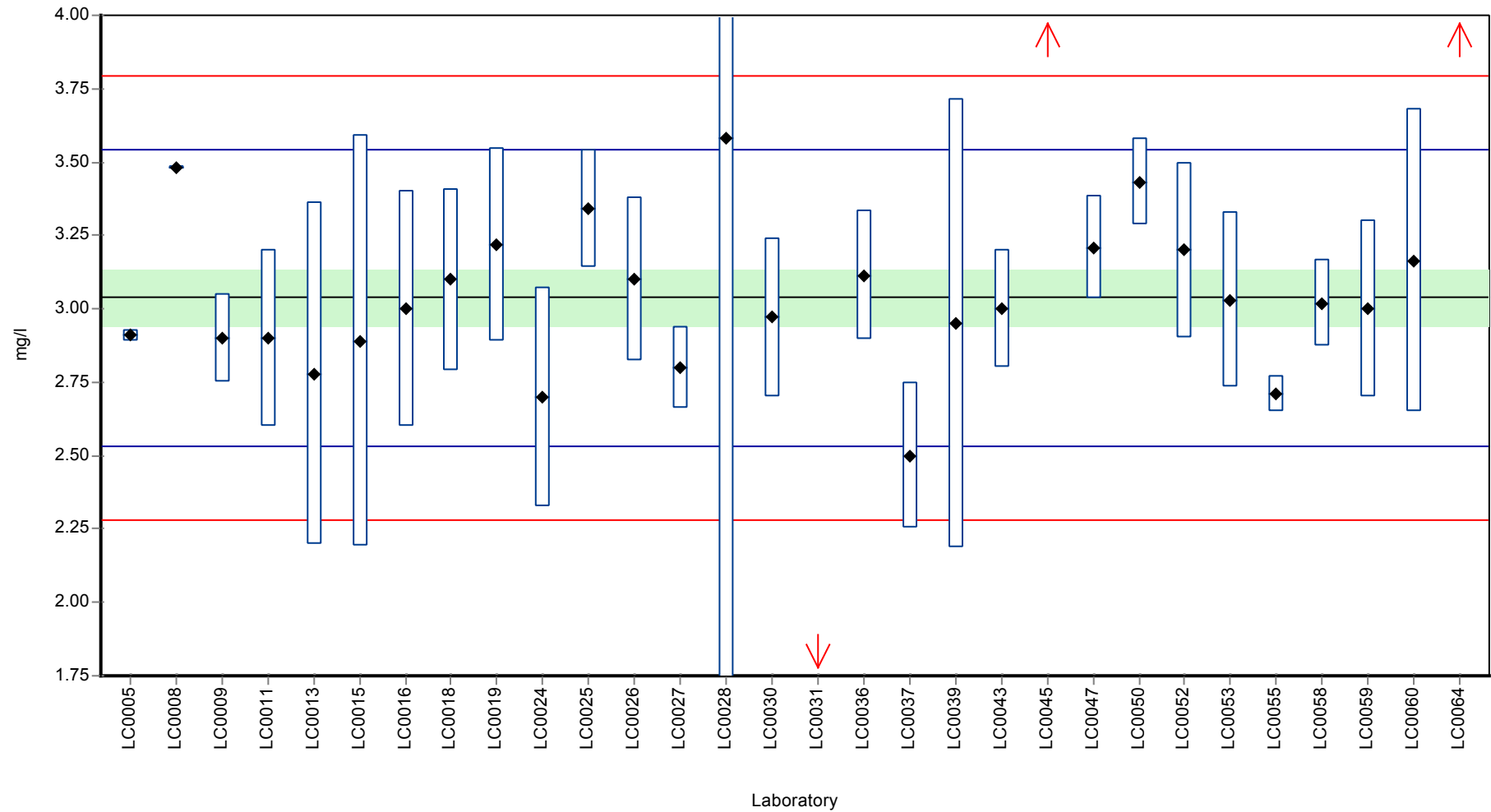
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	-	-	-	-	
LC0043	3	0.2	98.8	-0.15	
LC0044	-	-	-	-	
LC0045	4.34	0.781	143	5.17	H
LC0046	-	-	-	-	
LC0047	3.21	0.178	106	0.69	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	3.433	0.15	113	1.57	
LC0051	-	-	-	-	
LC0052	3.2	0.3	105	0.65	
LC0053	3.03	0.3	99.8	-0.03	
LC0054	-	-	-	-	
LC0055	2.71	0.06	89.2	-1.3	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	3.02	0.15	99.4	-0.07	
LC0059	3	0.3	98.8	-0.15	
LC0060	3.165	0.517	104	0.51	
LC0061	-	-	-	-	
LC0062	-	-	-	-	
LC0063	-	-	-	-	
LC0064	4.75	5	156	6.79	H
LC0065	-	-	-	-	
LC0066	-	-	-	-	
LC0067	-	-	-	-	

Characteristics of parameter

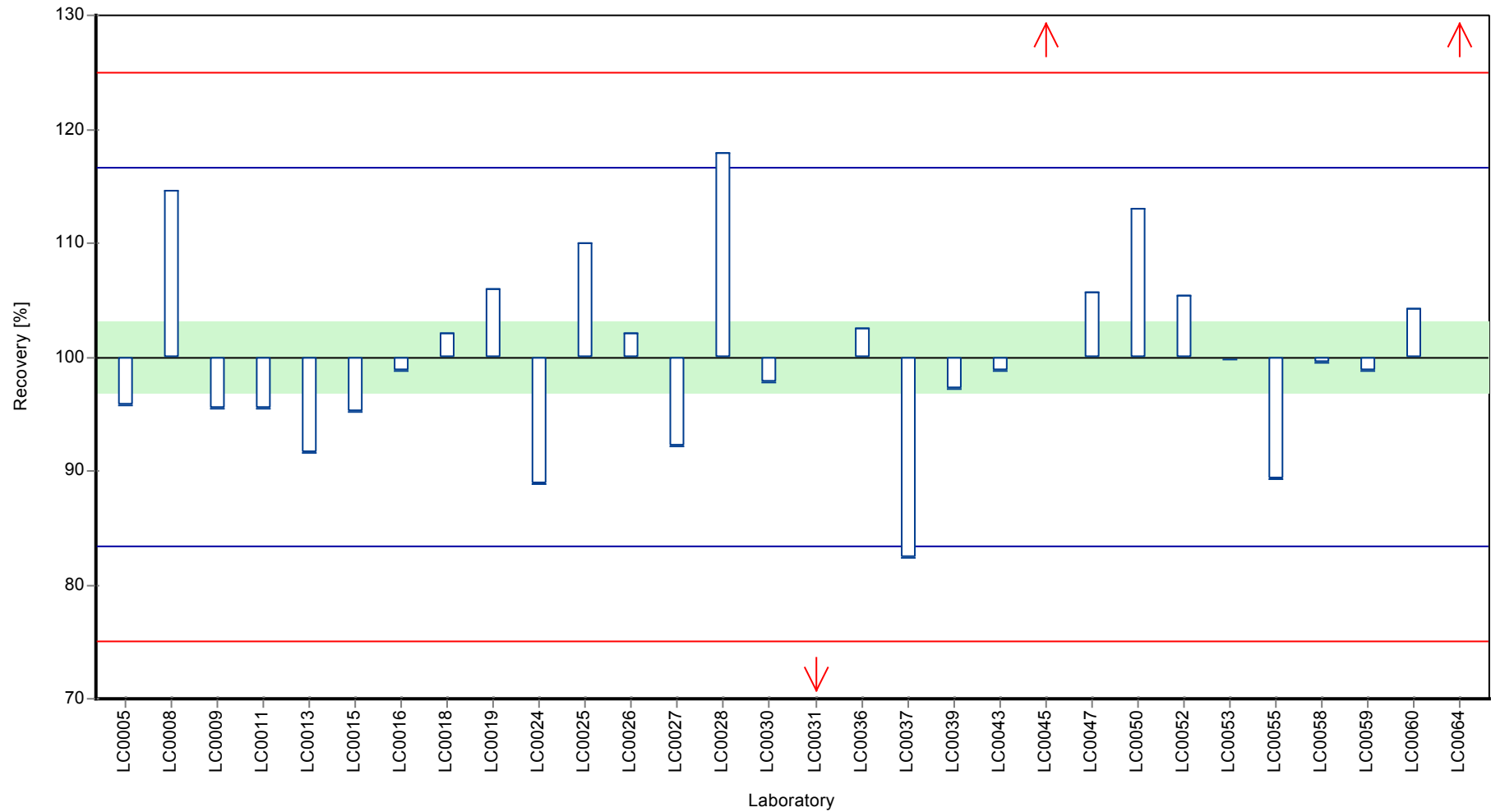
	all results	without outliers	Unit
Mean ± CI (99%)	3.07 ± 0.317	3.04 ± 0.143	mg/l
Minimum	1.15	2.5	mg/l
Maximum	4.75	3.58	mg/l
Standard deviation	0.579	0.247	mg/l
rel. standard deviation	18.8	8.13	%
n	30	27	-

Graphical presentation of results

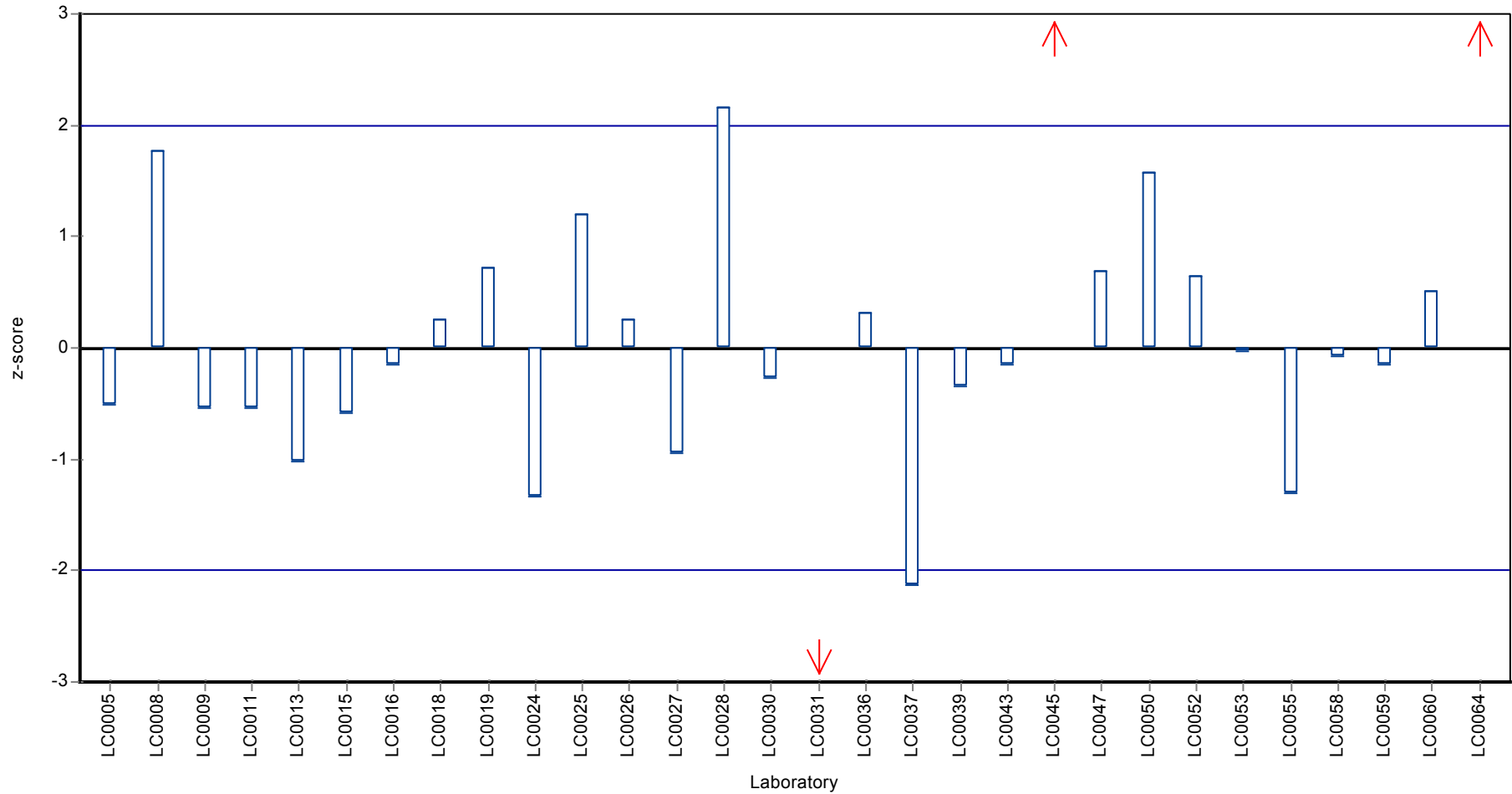
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Hydrogen carbonate

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	157 ± 3.36	Assigned value ± U (k=2)	157 ± 1.09
Minimum - Maximum	149 - 167	Criterion	3.36 (2.1 %)
Control test value ± U	151 ± 15.1	Minimum - Maximum	149 - 167
		Control test value ± U (k=2)	151 ± 15.1

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	160	-	102	0.85	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	158	0.436	101	0.25	
LC0006	-	-	-	-	
LC0007	156.2	15.6	99.4	-0.28	
LC0008	156	1.18	99.3	-0.34	
LC0009	-	-	-	-	
LC0010	158	15.8	101	0.25	
LC0011	156	7	99.3	-0.34	
LC0012	156	4	99.3	-0.34	
LC0013	160	7.98	102	0.85	
LC0014	161	8.1	102	1.15	
LC0015	158	3	101	0.25	
LC0016	152.5	6.8	97	-1.38	
LC0017	-	-	-	-	
LC0018	172	8.6	109	4.42	H
LC0019	-	-	-	-	
LC0020	153	6	97.4	-1.23	
LC0021	-	-	-	-	
LC0022	158.65	15.9	101	0.45	
LC0023	-	-	-	-	
LC0024	153	7.63	97.4	-1.23	
LC0025	149	7	94.8	-2.42	
LC0026	155	23.25	98.6	-0.64	
LC0027	160	8.01	102	0.85	
LC0028	159.9	6.2	102	0.82	
LC0029	160.5	6.4	102	1	
LC0030	140.32	1	89.3	-5	H
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	155.5	3.4	99	-0.49	
LC0035	157	16	99.9	-0.04	
LC0036	158	4.74	101	0.25	
LC0037	158.7	15.9	101	0.46	
LC0038	152	15	96.7	-1.53	
LC0039	155.7	22.1	99.1	-0.43	
LC0040	158	15	101	0.25	
LC0041	-	-	-	-	

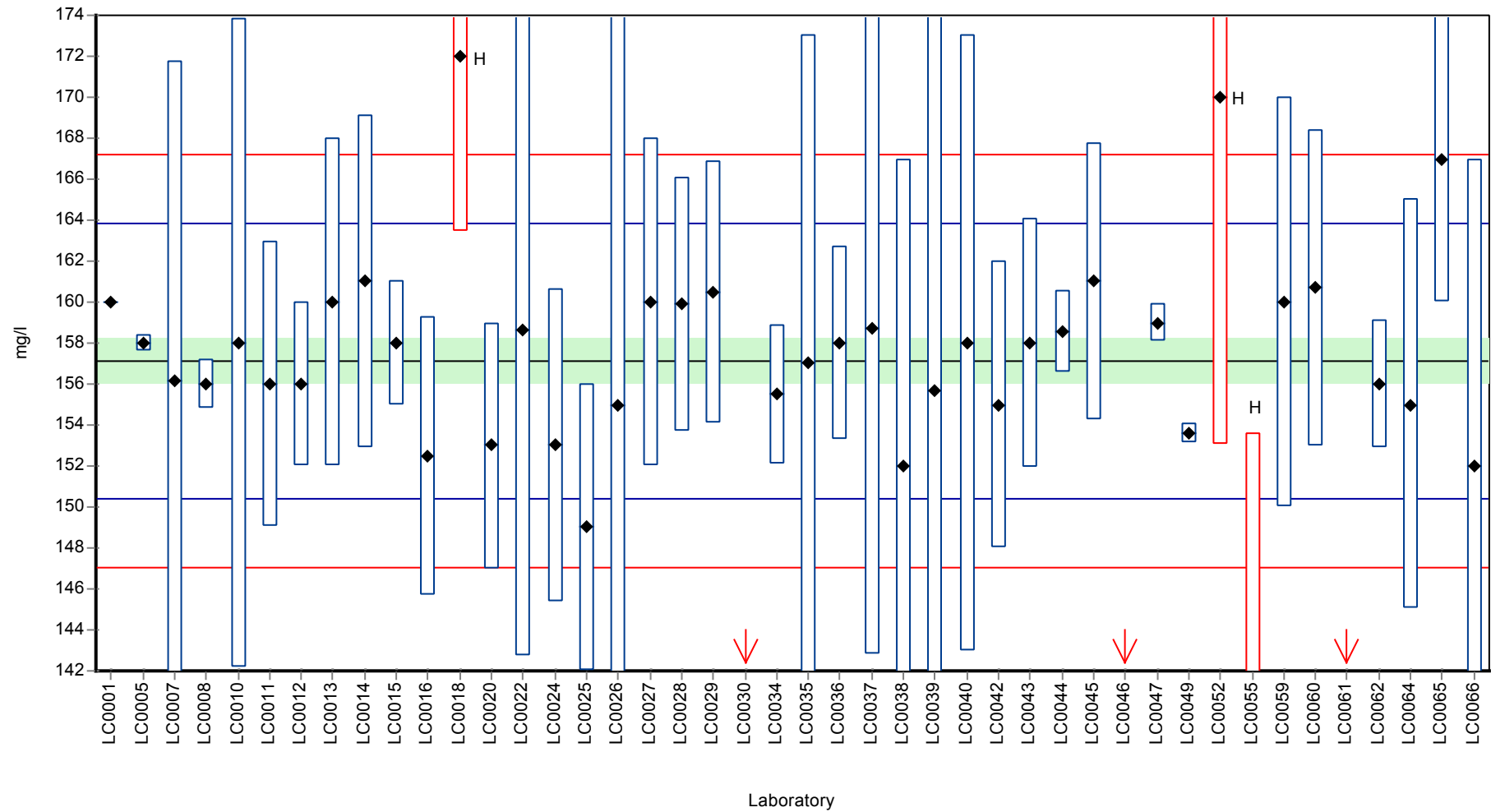
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	155	7	98.6	-0.64	
LC0043	158	6.1	101	0.25	
LC0044	158.6	2	101	0.43	
LC0045	161	6.76	102	1.15	
LC0046	139.72	1.41	88.9	-5.18	H
LC0047	159	0.95	101	0.55	
LC0048	-	-	-	-	
LC0049	153.6	0.442	97.7	-1.05	
LC0050	-	-	-	-	
LC0051	-	-	-	-	
LC0052	170	17	108	3.82	H
LC0053	-	-	-	-	
LC0054	-	-	-	-	
LC0055	141.6	12	90.1	-4.62	H
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	-	-	-	-	
LC0059	160	10	102	0.85	
LC0060	160.7	7.71	102	1.06	
LC0061	121.02	0.35	77	-10.7	H
LC0062	156	3.11	99.3	-0.34	
LC0063	-	-	-	-	
LC0064	155	10	98.6	-0.64	
LC0065	167	7	106	2.93	
LC0066	152	15	96.7	-1.53	
LC0067	-	-	-	-	

Characteristics of parameter

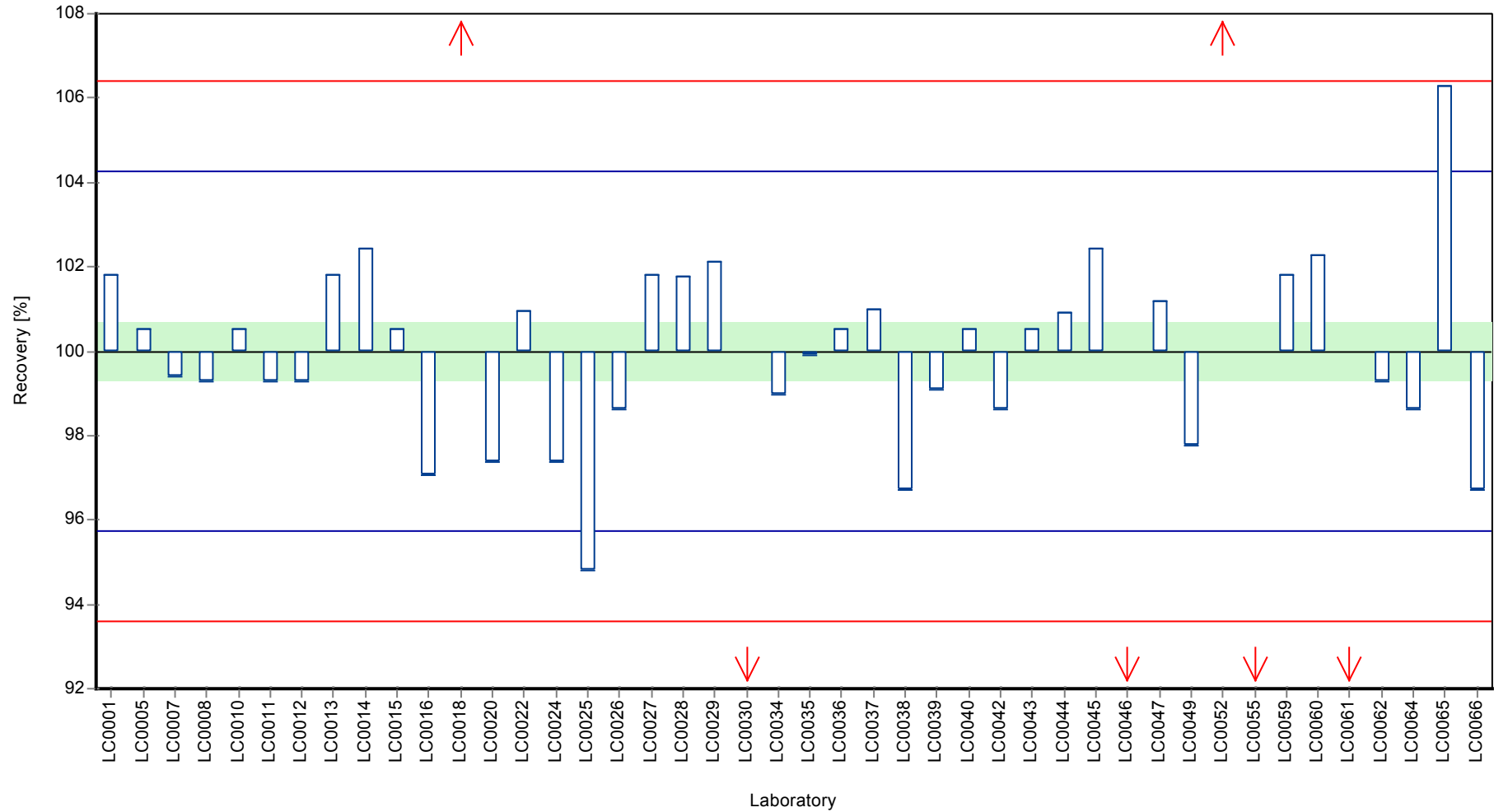
	all results	without outliers	Unit
Mean ± CI (99%)	156 ± 3.69	157 ± 1.64	mg/l
Minimum	121	149	mg/l
Maximum	172	167	mg/l
Standard deviation	8.16	3.36	mg/l
rel. standard deviation	5.23	2.14	%
n	44	38	-

Graphical presentation of results

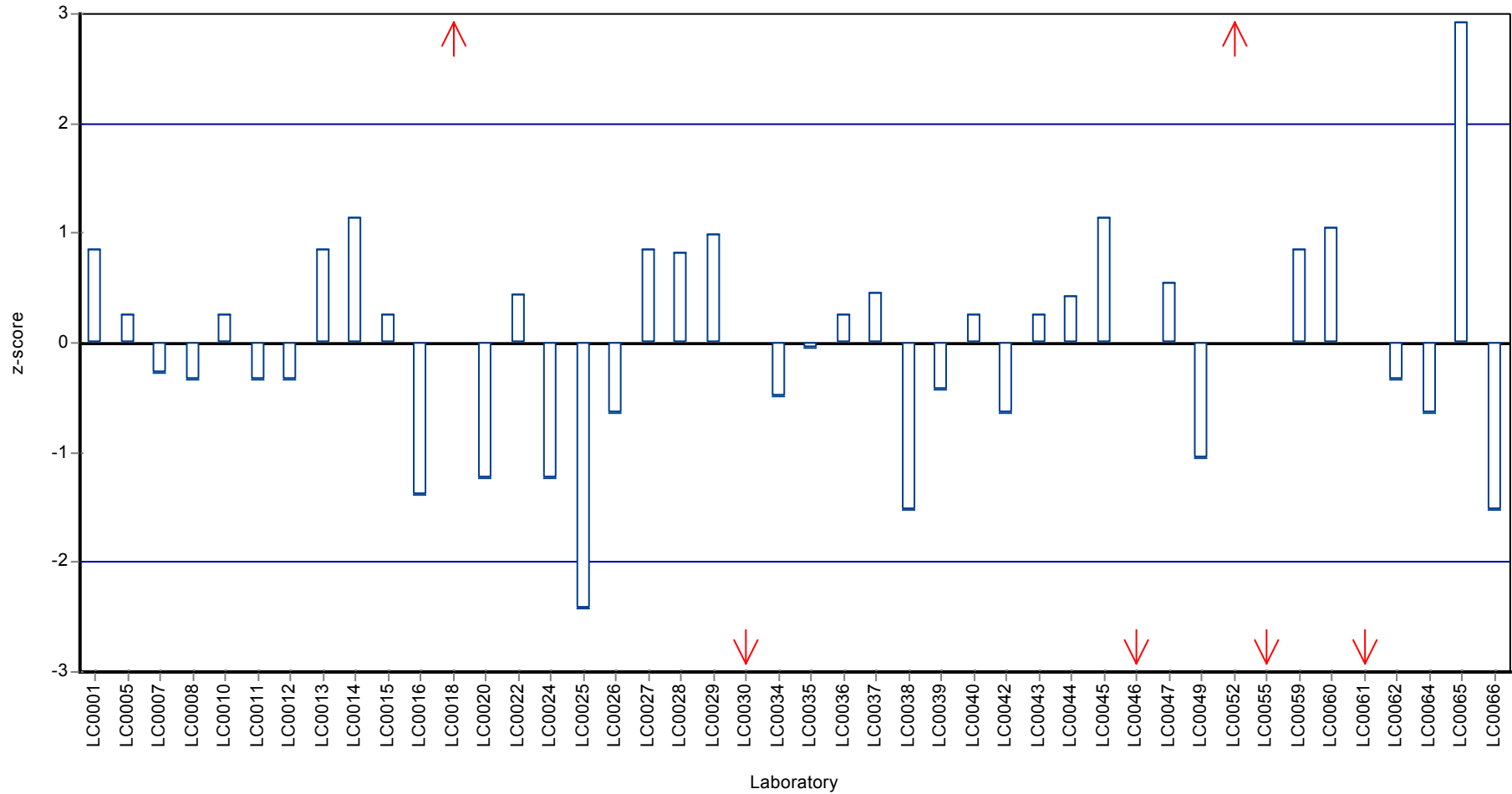
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Hydrogen carbonate

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	217 ± 4.7	Assigned value ± U (k=2)	217 ± 1.49
Minimum - Maximum	206 - 230	Criterion	4.7 (2.2 %)
Control test value ± U	215 ± 12.9	Minimum - Maximum	206 - 230
		Control test value ± U	215 ± 12.9

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	220	-	102	0.69	
LC0002	-	-	-	-	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	219.3	1.206	101	0.54	
LC0006	-	-	-	-	
LC0007	216	21.6	99.7	-0.16	
LC0008	216	1.18	99.7	-0.16	
LC0009	-	-	-	-	
LC0010	217	21.7	100	0.06	
LC0011	215	9	99.2	-0.37	
LC0012	214	5	98.7	-0.58	
LC0013	220	11	102	0.69	
LC0014	221	11.1	102	0.91	
LC0015	214	3	98.7	-0.58	
LC0016	211.4	6.7	97.5	-1.14	
LC0017	-	-	-	-	
LC0018	220	11	102	0.69	
LC0019	-	-	-	-	
LC0020	207	8	95.5	-2.07	
LC0021	-	-	-	-	
LC0022	220.89	22	102	0.88	
LC0023	-	-	-	-	
LC0024	211	10.6	97.4	-1.22	
LC0025	206	10	95	-2.28	
LC0026	211.7	31.76	97.7	-1.07	
LC0027	221	11	102	0.91	
LC0028	217.2	6.2	100	0.1	
LC0029	220	8.8	102	0.69	
LC0030	-	-	-	-	
LC0031	-	-	-	-	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	215.3	4.7	99.3	-0.31	
LC0035	217	22	100	0.06	
LC0036	216.6	6.498	99.9	-0.03	
LC0037	217	21.7	100	0.06	
LC0038	211	21	97.4	-1.22	
LC0039	217.3	30.86	100	0.12	
LC0040	218	20.7	101	0.27	
LC0041	-	-	-	-	

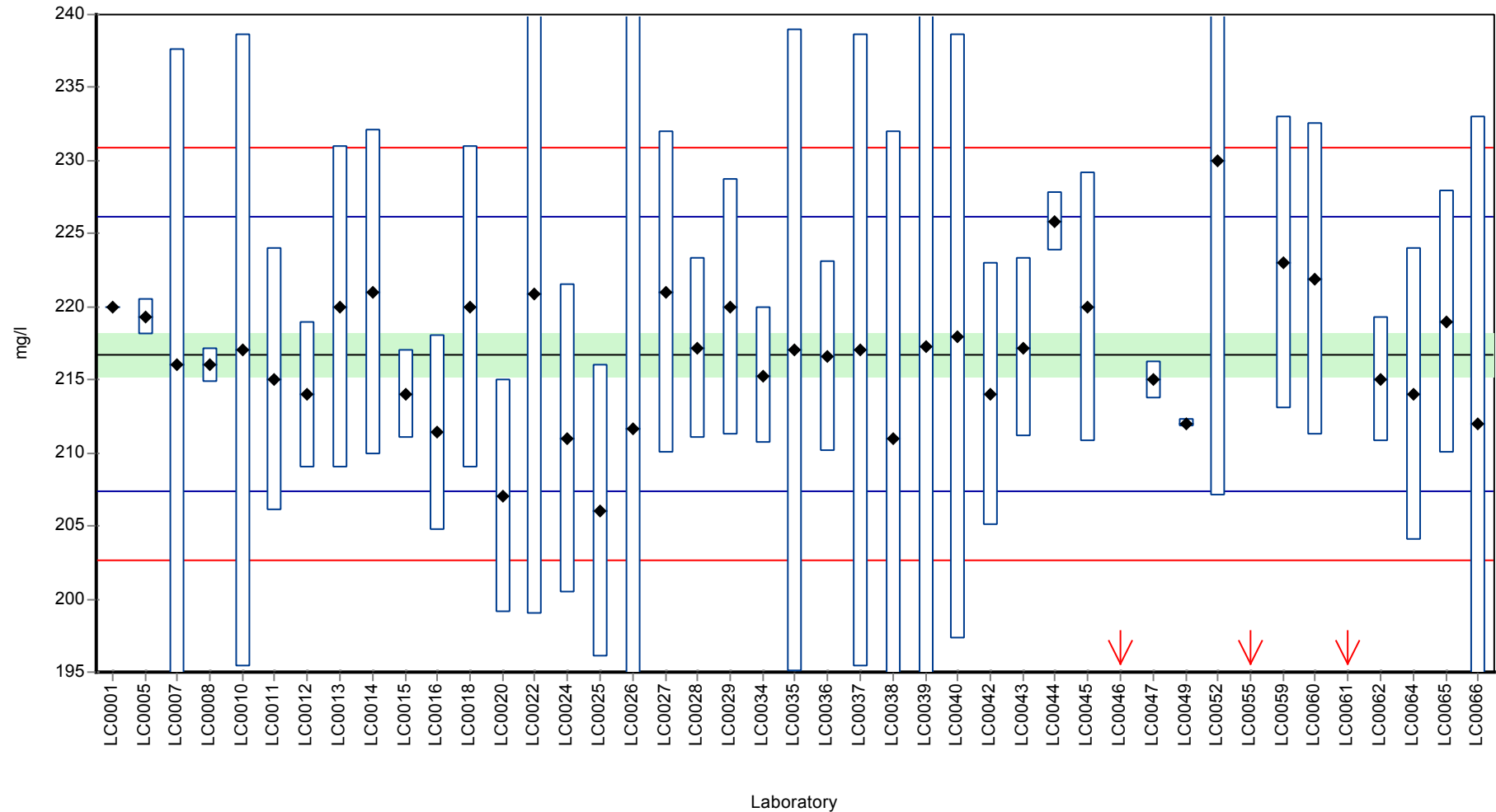
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	214	9	98.7	-0.58	
LC0043	217.2	6.1	100	0.1	
LC0044	225.8	2	104	1.93	
LC0045	220	9.25	102	0.69	
LC0046	193.28	2.05	89.2	-4.99	H
LC0047	215	1.29	99.2	-0.37	
LC0048	-	-	-	-	
LC0049	212	0.292	97.8	-1.01	
LC0050	-	-	-	-	
LC0051	-	-	-	-	
LC0052	230	23	106	2.82	
LC0053	-	-	-	-	
LC0054	-	-	-	-	
LC0055	191.6	12	88.4	-5.35	H
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	-	-	-	-	
LC0059	223	10	103	1.33	
LC0060	221.9	10.7	102	1.1	
LC0061	171.76	1.06	79.2	-9.56	H
LC0062	215	4.3	99.2	-0.37	
LC0063	-	-	-	-	
LC0064	214	10	98.7	-0.58	
LC0065	219	9	101	0.48	
LC0066	212	21	97.8	-1.01	
LC0067	-	-	-	-	

Characteristics of parameter

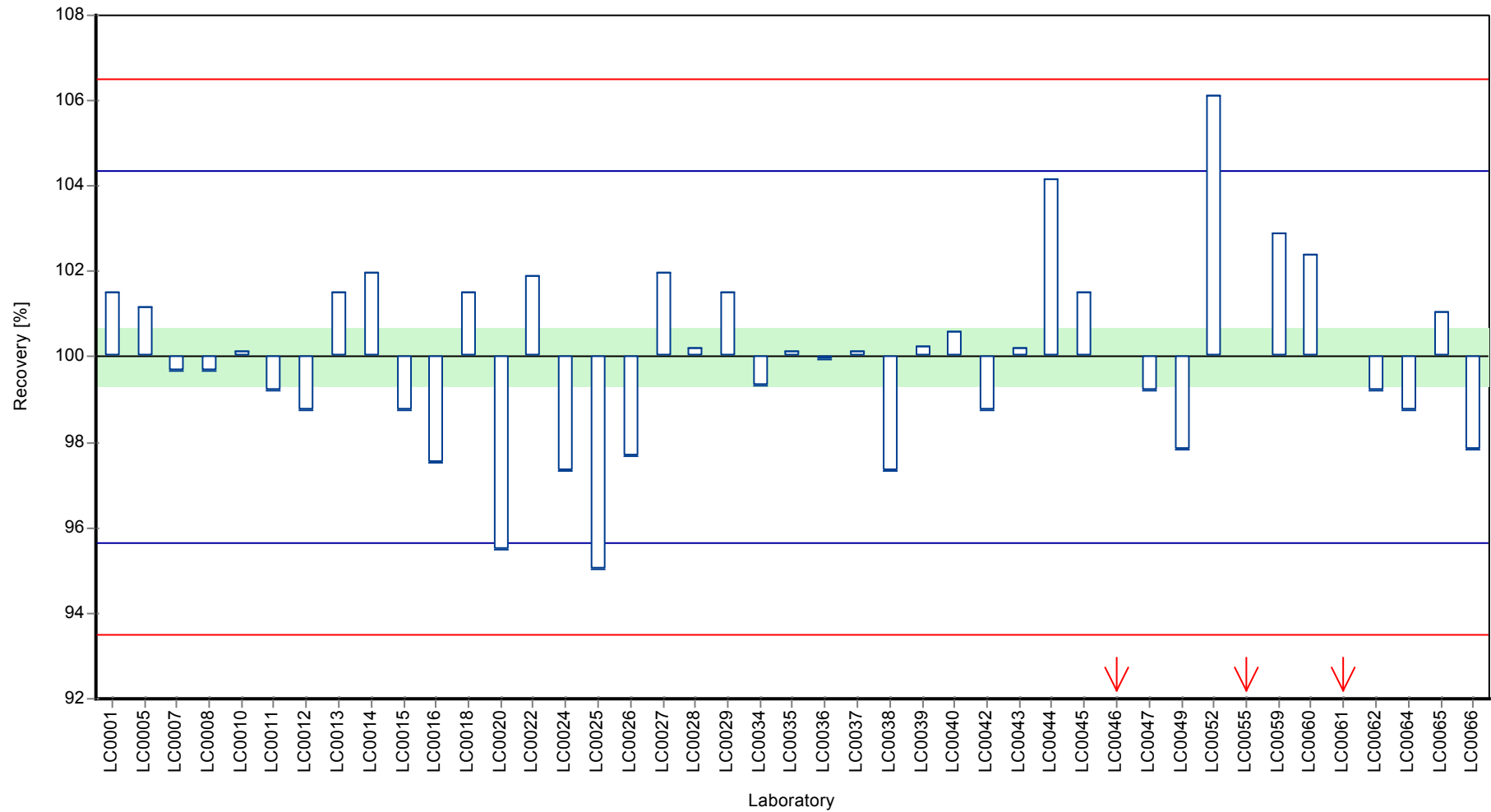
	all results	without outliers	Unit
Mean ± CI (99%)	215 ± 4.39	217 ± 2.23	mg/l
Minimum	172	206	mg/l
Maximum	230	230	mg/l
Standard deviation	9.59	4.7	mg/l
rel. standard deviation	4.47	2.17	%
n	43	40	-

Graphical presentation of results

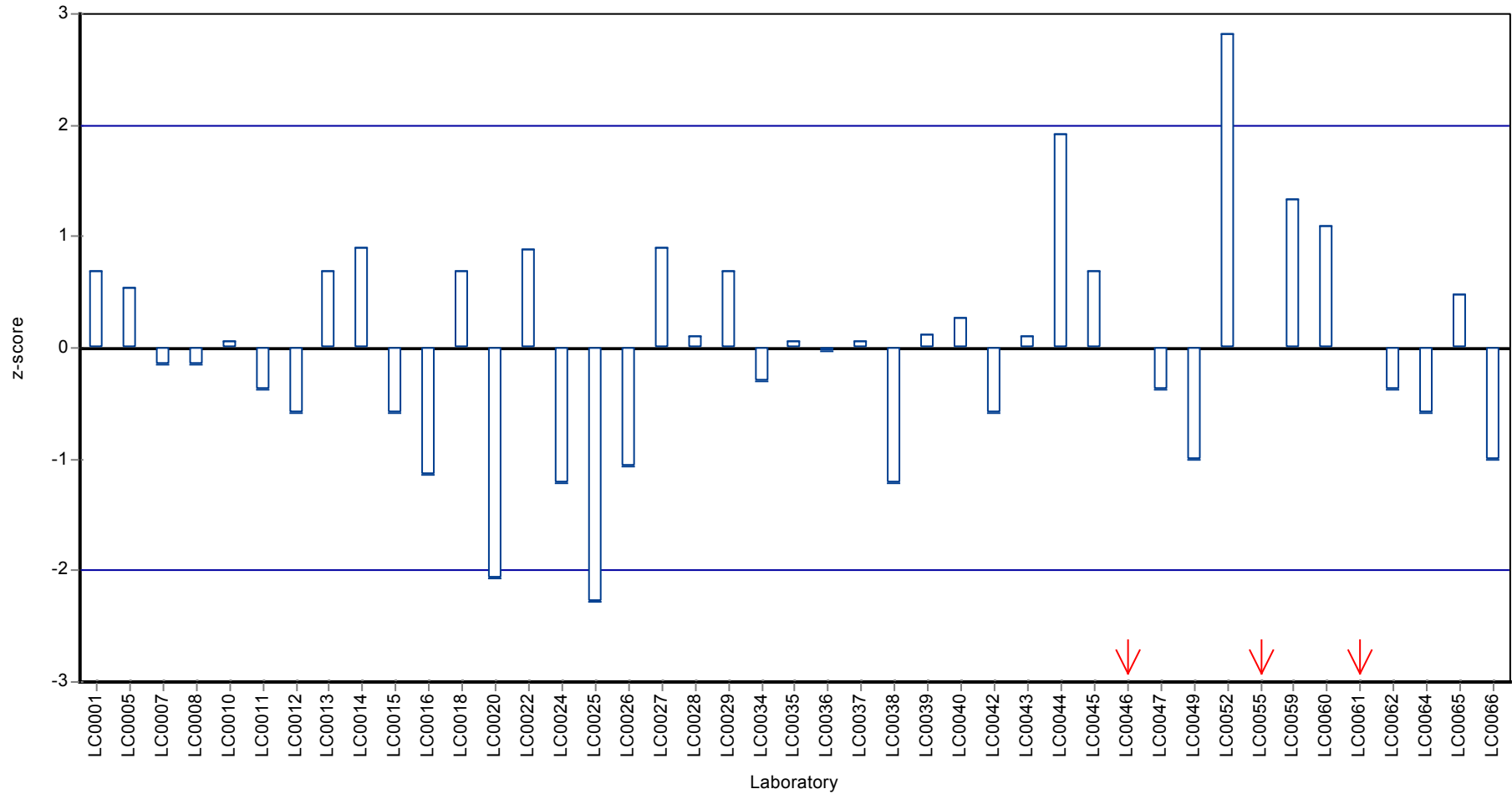
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Potassium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	1.18 ± 0.094	Assigned value ± U (k=2)	1.18 ± 0.028
Minimum - Maximum	1 - 1.43	Criterion	0.094 (8 %)
Control test value ± U	1.15 ± 0.132	Minimum - Maximum	1 - 1.43
		Control test value ± U (k=2)	1.15 ± 0.132

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	1.25	0.1	106	0.77	
LC0004	-	-	-	-	
LC0005	1.22	0.036	104	0.45	
LC0006	-	-	-	-	
LC0007	1.14	0.11	96.8	-0.4	
LC0008	1.338	0.017	114	1.71	
LC0009	0.789	0.054	67	-4.13	H
LC0010	-	-	-	-	
LC0011	1.22	0.2	104	0.45	
LC0012	1.2	0.5	102	0.24	
LC0013	1.12	0.146	95.1	-0.61	
LC0014	1.28	0.07	109	1.09	
LC0015	1.14	0.007	96.8	-0.4	
LC0016	1.2	0.1	102	0.24	
LC0017	-	-	-	-	
LC0018	1.2	0.06	102	0.24	
LC0019	1.13	0.19	96	-0.51	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	1.04	0.084	88.3	-1.46	
LC0025	1.1	0.07	93.4	-0.82	
LC0026	1.27	0.127	108	0.98	
LC0027	1.05	0.052	89.2	-1.36	
LC0028	1.13	3.4	96	-0.51	
LC0029	1.1	0.1	93.4	-0.82	
LC0030	1.18	0.12	100	0.03	
LC0031	1.408	0.329	120	2.45	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	1.24	0.08	105	0.67	
LC0035	1	0.2	84.9	-1.89	
LC0036	1.025	0.072	87.1	-1.62	
LC0037	1.1	0.1	93.4	-0.82	
LC0038	1.21	0.2	103	0.35	
LC0039	1.18	0.059	100	0.03	
LC0040	1.1	0.11	93.4	-0.82	
LC0041	1.08	0.08	91.7	-1.04	

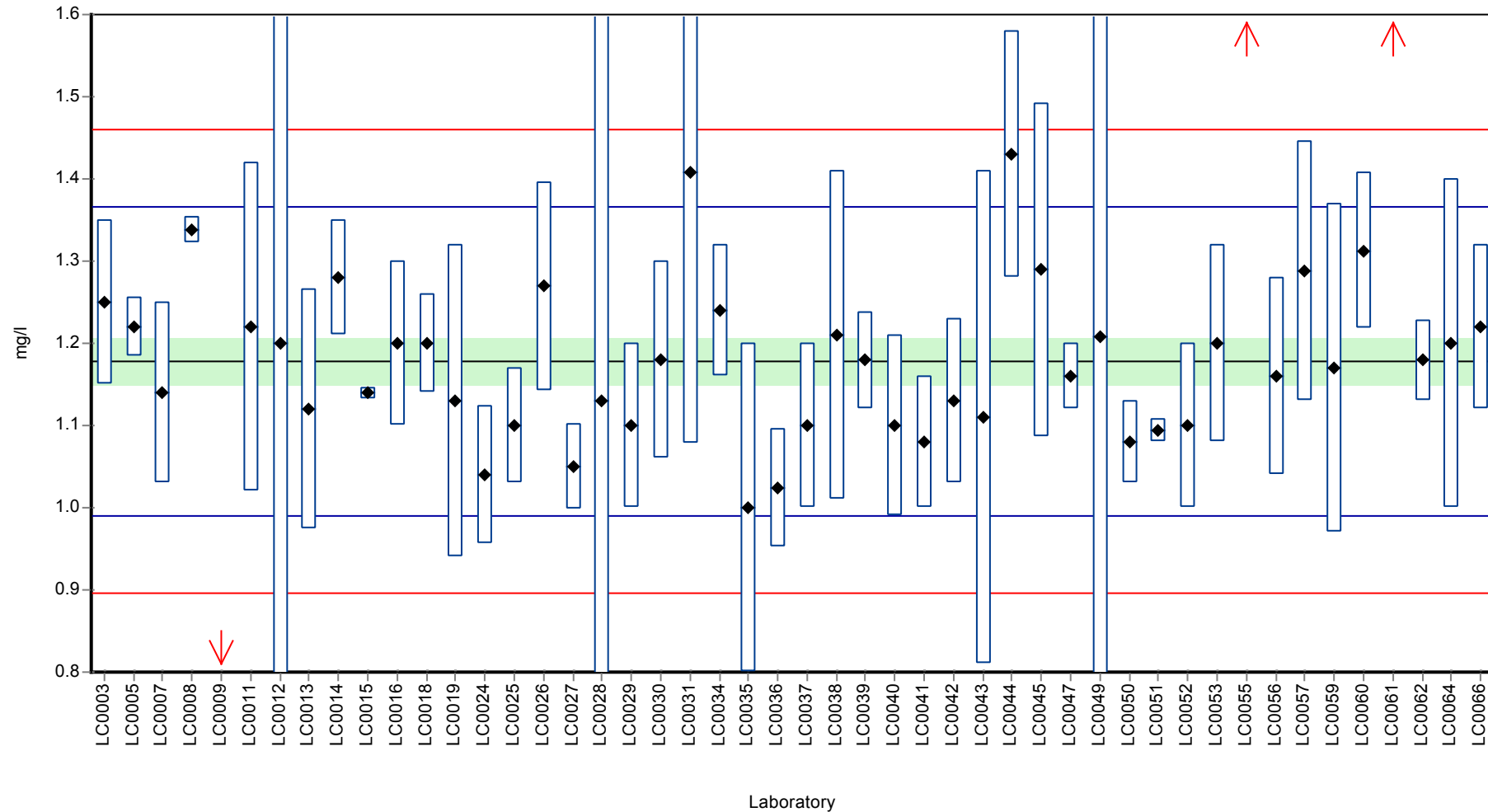
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	1.13	0.1	96	-0.51	
LC0043	1.11	0.3	94.3	-0.72	
LC0044	1.43	0.15	121	2.69	
LC0045	1.29	0.203	110	1.2	
LC0046	-	-	-	-	
LC0047	1.16	0.04	98.5	-0.18	
LC0048	-	-	-	-	
LC0049	1.208	0.48	103	0.33	
LC0050	1.08	0.05	91.7	-1.04	
LC0051	1.094	0.014	92.9	-0.89	
LC0052	1.1	0.1	93.4	-0.82	
LC0053	1.2	0.12	102	0.24	
LC0054	-	-	-	-	
LC0055	1.64	0.1	139	4.92	H
LC0056	1.16	0.12	98.5	-0.18	
LC0057	1.2881	0.1571	109	1.18	
LC0058	-	-	-	-	
LC0059	1.17	0.2	99.4	-0.08	
LC0060	1.313	0.094	112	1.44	
LC0061	7.59	0.04	645	68.2	H
LC0062	1.18	0.049	100	0.03	
LC0063	-	-	-	-	
LC0064	1.2	0.2	102	0.24	
LC0065	-	-	-	-	
LC0066	1.22	0.1	104	0.45	
LC0067	-	-	-	-	

Characteristics of parameter

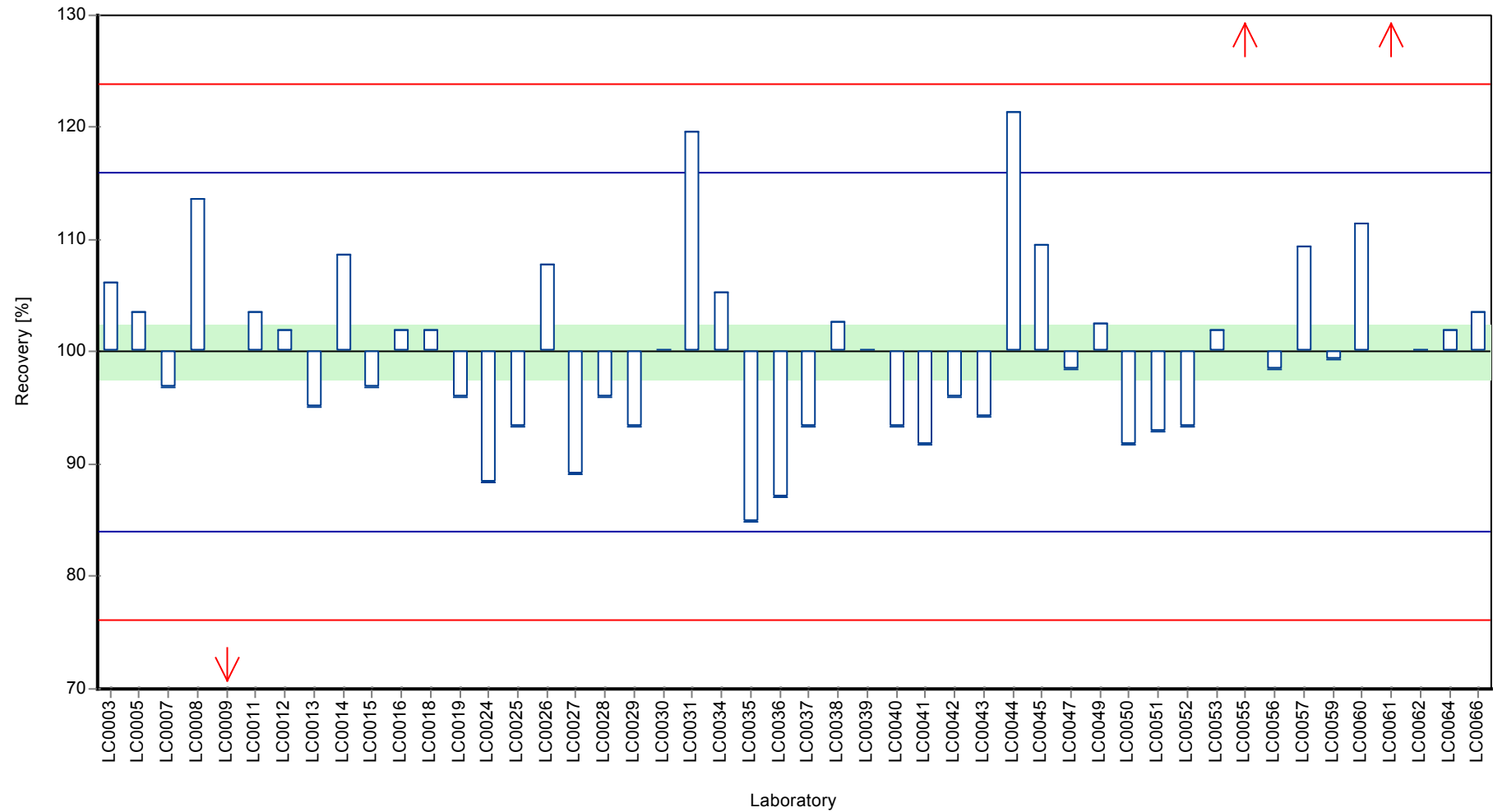
	all results	without outliers	Unit
Mean ± CI (99%)	1.31 ± 0.404	1.18 ± 0.042	mg/l
Minimum	0.789	1	mg/l
Maximum	7.59	1.43	mg/l
Standard deviation	0.934	0.0939	mg/l
rel. standard deviation	71.2	7.98	%
n	48	45	-

Graphical presentation of results

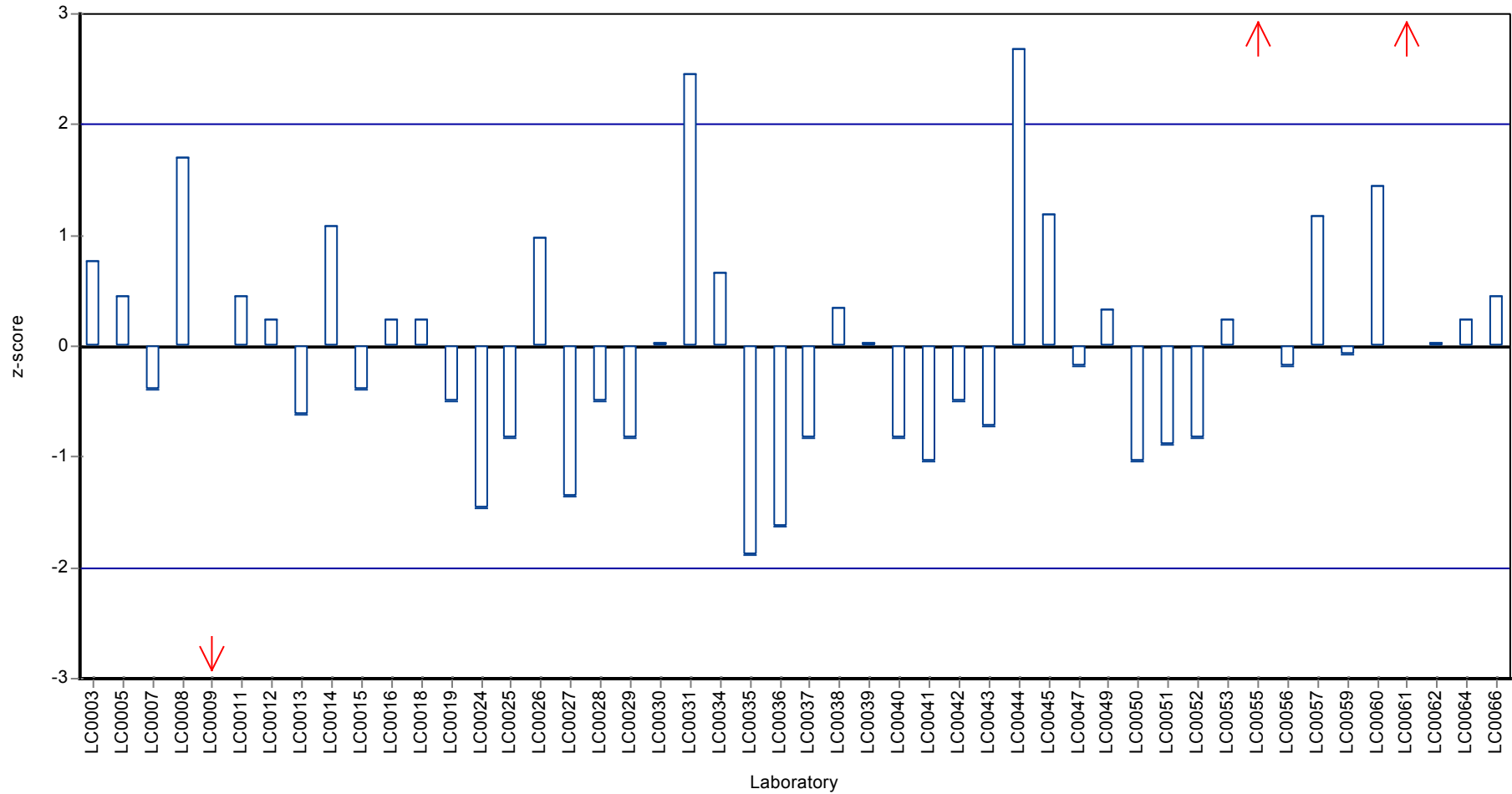
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Potassium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	2.43 ± 0.121	Assigned value ± U (k=2)	2.43 ± 0.0361
Minimum - Maximum	2.17 - 2.77	Criterion	0.121 (5 %)
Control test value ± U	2.42 ± 0.275	Minimum - Maximum	2.17 - 2.77
		Control test value ± U (k=2)	2.42 ± 0.275

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	2.77	0.2	114	2.81	
LC0004	-	-	-	-	
LC0005	2.35	0.102	96.7	-0.66	
LC0006	-	-	-	-	
LC0007	2.33	0.23	95.9	-0.83	
LC0008	2.471	0.025	102	0.34	
LC0009	2.06	0.1	84.8	-3.06	H
LC0010	-	-	-	-	
LC0011	2.54	0.4	105	0.91	
LC0012	2.4	0.5	98.8	-0.25	
LC0013	2.39	0.31	98.4	-0.33	
LC0014	2.43	0.13	100	0	
LC0015	2.37	0.001	97.5	-0.5	
LC0016	2.4	0.1	98.8	-0.25	
LC0017	-	-	-	-	
LC0018	2.4	0.12	98.8	-0.25	
LC0019	2.35	0.39	96.7	-0.66	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	2.31	0.185	95.1	-0.99	
LC0025	2.27	0.1	93.4	-1.32	
LC0026	2.62	0.262	108	1.57	
LC0027	2.23	0.111	91.8	-1.65	
LC0028	2.31	3.4	95.1	-0.99	
LC0029	2.3	0.3	94.7	-1.07	
LC0030	2.36	0.24	97.1	-0.58	
LC0031	2.445	0.001	101	0.12	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	2.53	0.16	104	0.83	
LC0035	2.5	0.5	103	0.58	
LC0036	2.167	0.1517	89.2	-2.17	
LC0037	2.4	0.2	98.8	-0.25	
LC0038	2.37	0.4	97.5	-0.5	
LC0039	2.432	0.121	100	0.02	
LC0040	2.3	0.23	94.7	-1.07	
LC0041	2.29	0.17	94.2	-1.16	

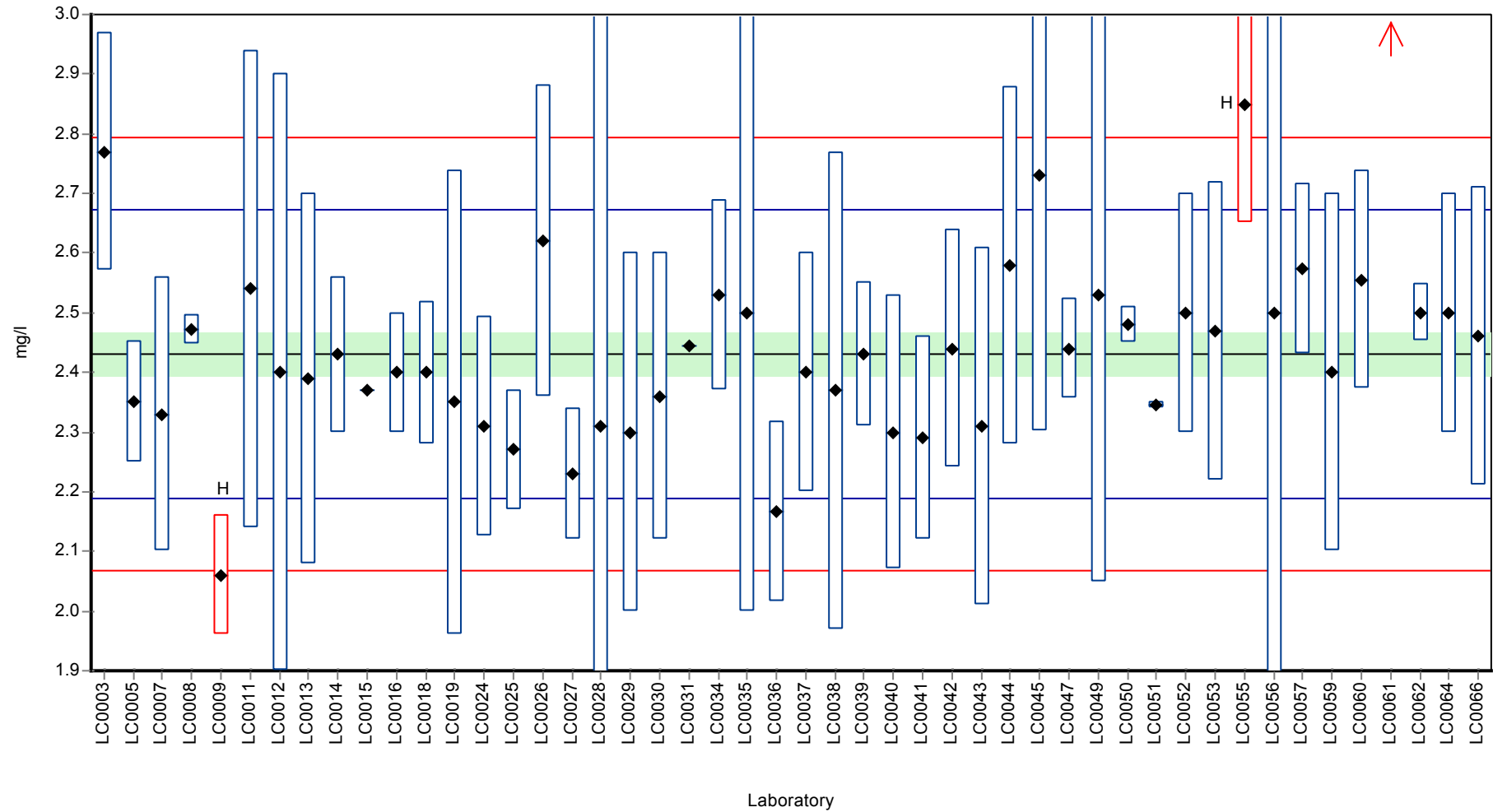
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.44	0.2	100	0.08	
LC0043	2.31	0.3	95.1	-0.99	
LC0044	2.58	0.3	106	1.24	
LC0045	2.73	0.428	112	2.48	
LC0046	-	-	-	-	
LC0047	2.44	0.084	100	0.08	
LC0048	-	-	-	-	
LC0049	2.529	0.48	104	0.82	
LC0050	2.48	0.03	102	0.41	
LC0051	2.346	0.006	96.5	-0.69	
LC0052	2.5	0.2	103	0.58	
LC0053	2.47	0.25	102	0.33	
LC0054	-	-	-	-	
LC0055	2.85	0.2	117	3.47	H
LC0056	2.5	0.63	103	0.58	
LC0057	2.5743	0.1428	106	1.19	
LC0058	-	-	-	-	
LC0059	2.4	0.3	98.8	-0.25	
LC0060	2.555	0.183	105	1.03	
LC0061	4.4	0.13	181	16.3	H
LC0062	2.5	0.048	103	0.58	
LC0063	-	-	-	-	
LC0064	2.5	0.2	103	0.58	
LC0065	-	-	-	-	
LC0066	2.46	0.25	101	0.25	
LC0067	-	-	-	-	

Characteristics of parameter

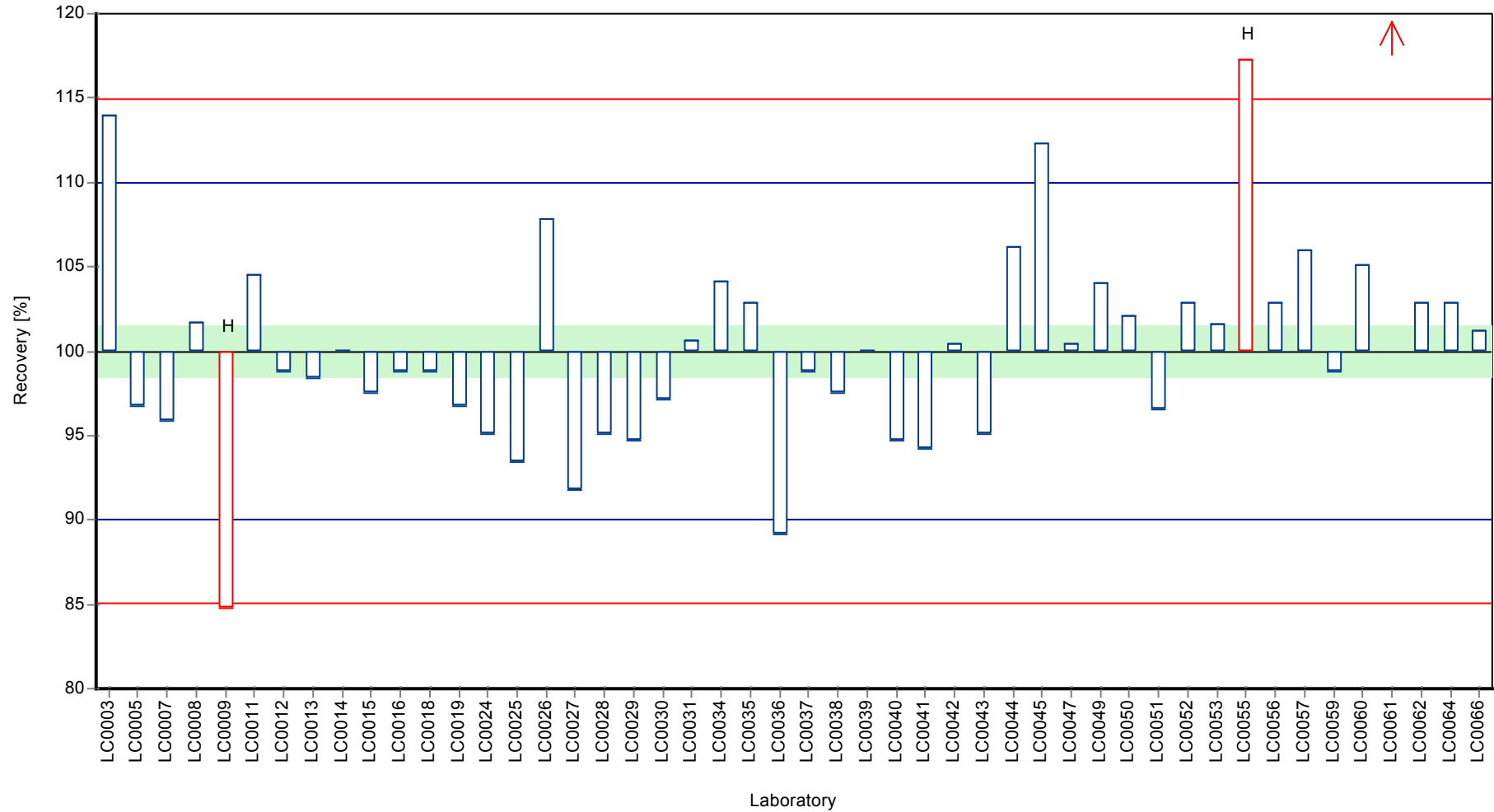
	all results	without outliers	Unit
Mean ± CI (99%)	2.47 ± 0.138	2.43 ± 0.0541	mg/l
Minimum	2.06	2.17	mg/l
Maximum	4.4	2.77	mg/l
Standard deviation	0.318	0.121	mg/l
rel. standard deviation	12.9	4.98	%
n	48	45	-

Graphical presentation of results

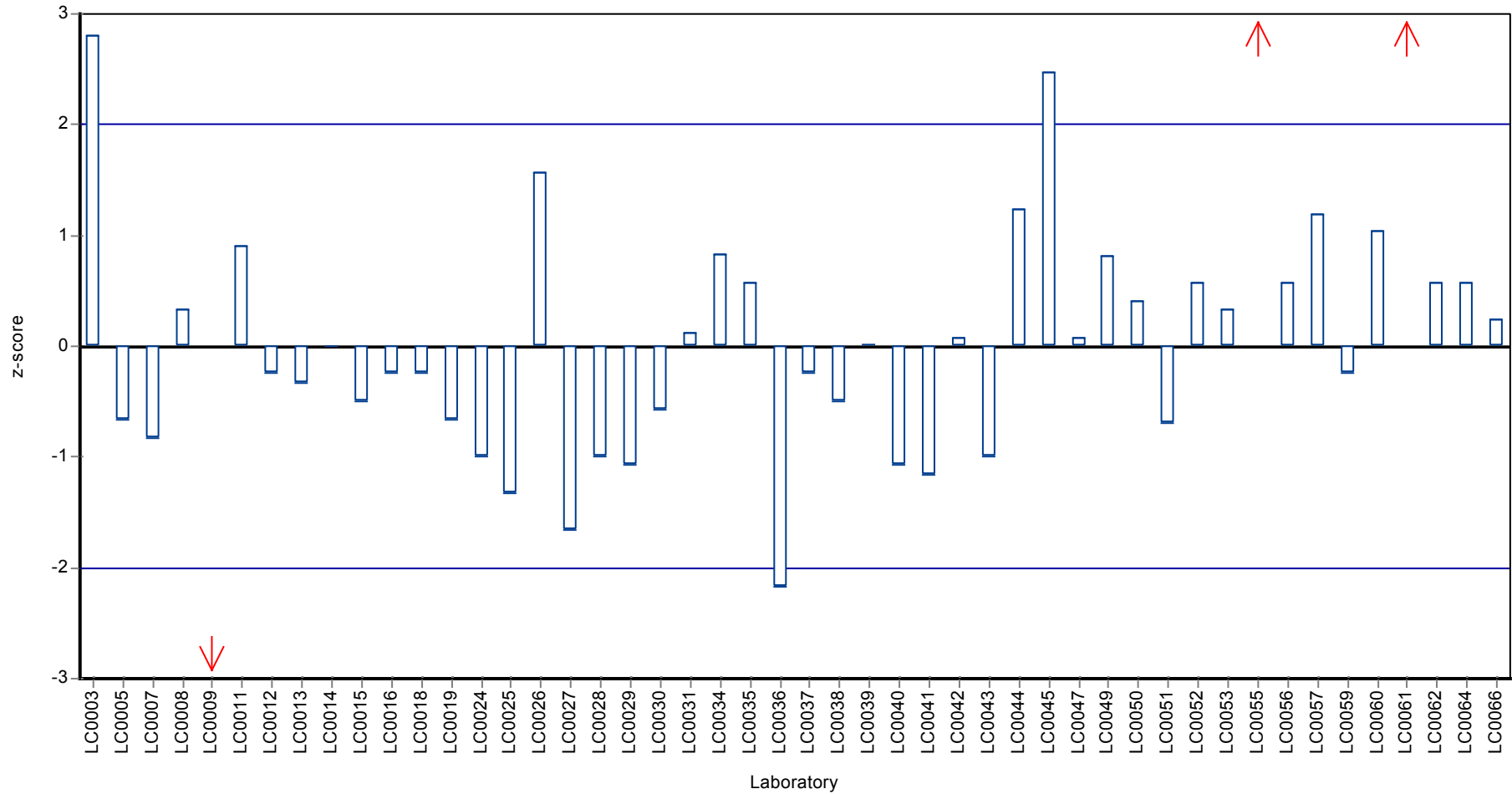
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Magnesium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	18.2 ± 0.651	Assigned value ± U (k=2)	18.2 ± 0.188
Minimum - Maximum	16.6 - 19.9	Criterion	0.651 (3.6 %)
Control test value ± U	18.2 ± 1.91	Minimum - Maximum	16.6 - 19.9
		Control test value ± U (k=2)	18.2 ± 1.91

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	17.9	1.9	98.5	-0.42	
LC0004	-	-	-	-	
LC0005	18.9	0.1	104	1.12	
LC0006	-	-	-	-	
LC0007	19	1.9	105	1.27	
LC0008	18.94	1.017	104	1.18	
LC0009	17.59	0.88	96.8	-0.9	
LC0010	-	-	-	-	
LC0011	18	2.2	99.1	-0.27	
LC0012	18	1	99.1	-0.27	
LC0013	19	1.52	105	1.27	
LC0014	18.6	0.76	102	0.66	
LC0015	16.63	0.07	91.5	-2.37	
LC0016	18	1.2	99.1	-0.27	
LC0017	-	-	-	-	
LC0018	18	0.9	99.1	-0.27	
LC0019	18.1	2.15	99.6	-0.11	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	19.4	2.07	107	1.89	
LC0025	17.9	1	98.5	-0.42	
LC0026	18.71	1.123	103	0.83	
LC0027	18.7	0.937	103	0.81	
LC0028	17.7	9.2	97.4	-0.73	
LC0029	18.5	1.1	102	0.5	
LC0030	17.93	1.8	98.7	-0.37	
LC0031	15	0.184	82.5	-4.88	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	18.3	0.86	101	0.2	
LC0035	18.2	1.8	100	0.04	
LC0036	18.05	0.903	99.3	-0.19	
LC0037	18	3.2	99.1	-0.27	
LC0038	18.1	2.7	99.6	-0.11	
LC0039	18.34	0.895	101	0.26	
LC0040	18.6	2.23	102	0.66	
LC0041	16.9	2	93	-1.96	

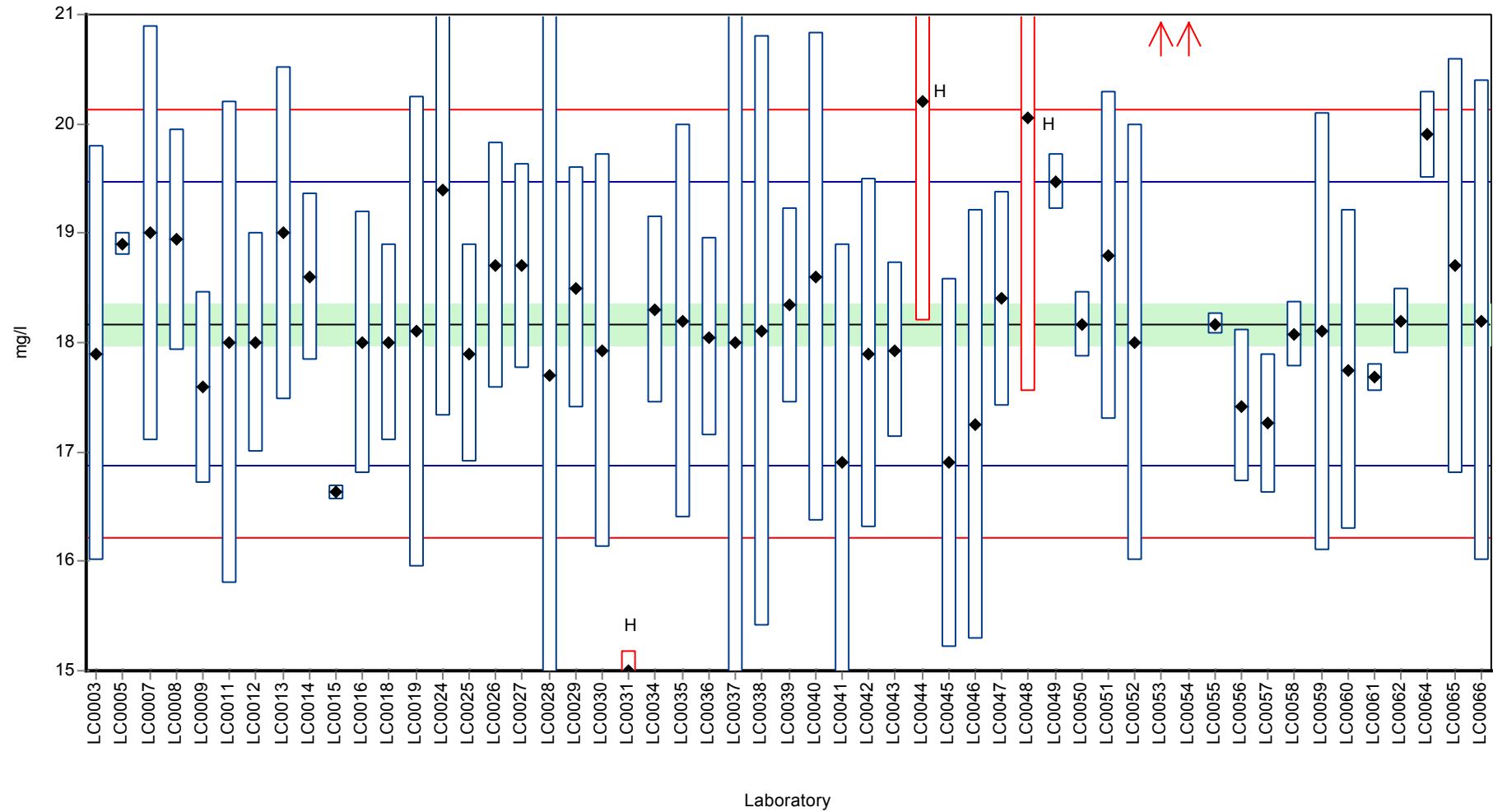
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	17.9	1.6	98.5	-0.42	
LC0043	17.93	0.8	98.7	-0.37	
LC0044	20.2	2	111	3.12	H
LC0045	16.9	1.69	93	-1.96	
LC0046	17.25	1.96	94.9	-1.42	
LC0047	18.4	0.98	101	0.35	
LC0048	20.05	2.5	110	2.89	H
LC0049	19.47	0.26	107	2	
LC0050	18.17	0.3	100	0.00	
LC0051	18.8	1.5	103	0.96	
LC0052	18	2	99.1	-0.27	
LC0053	37.1	3.7	204	29.1	H
LC0054	22.3	0.35	123	6.35	H
LC0055	18.17	0.1	100	0.00	
LC0056	17.42	0.7	95.9	-1.16	
LC0057	17.2611	0.6344	95	-1.4	
LC0058	18.07	0.3	99.4	-0.16	
LC0059	18.1	2	99.6	-0.11	
LC0060	17.75	1.46	97.7	-0.65	
LC0061	17.68	0.13	97.3	-0.76	
LC0062	18.2	0.302	100	0.04	
LC0063	-	-	-	-	
LC0064	19.9	0.4	110	2.66	
LC0065	18.7	1.9	103	0.81	
LC0066	18.2	2.2	100	0.04	
LC0067	-	-	-	-	

Characteristics of parameter

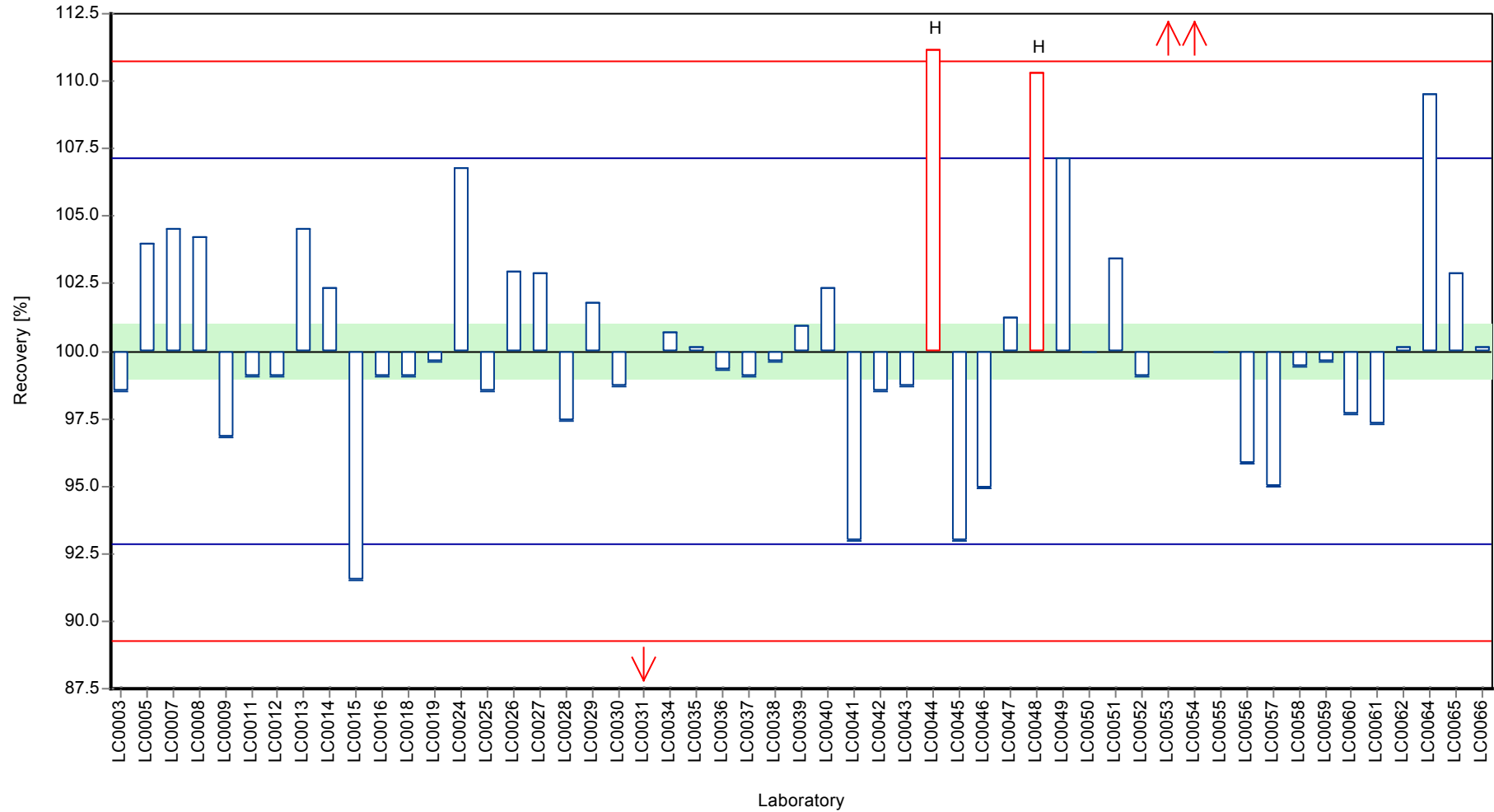
	all results	without outliers	Unit
Mean ± CI (99%)	18.6 ± 1.15	18.2 ± 0.282	mg/l
Minimum	15	16.6	mg/l
Maximum	37.1	19.9	mg/l
Standard deviation	2.78	0.65	mg/l
rel. standard deviation	14.9	3.58	%
n	53	48	-

Graphical presentation of results

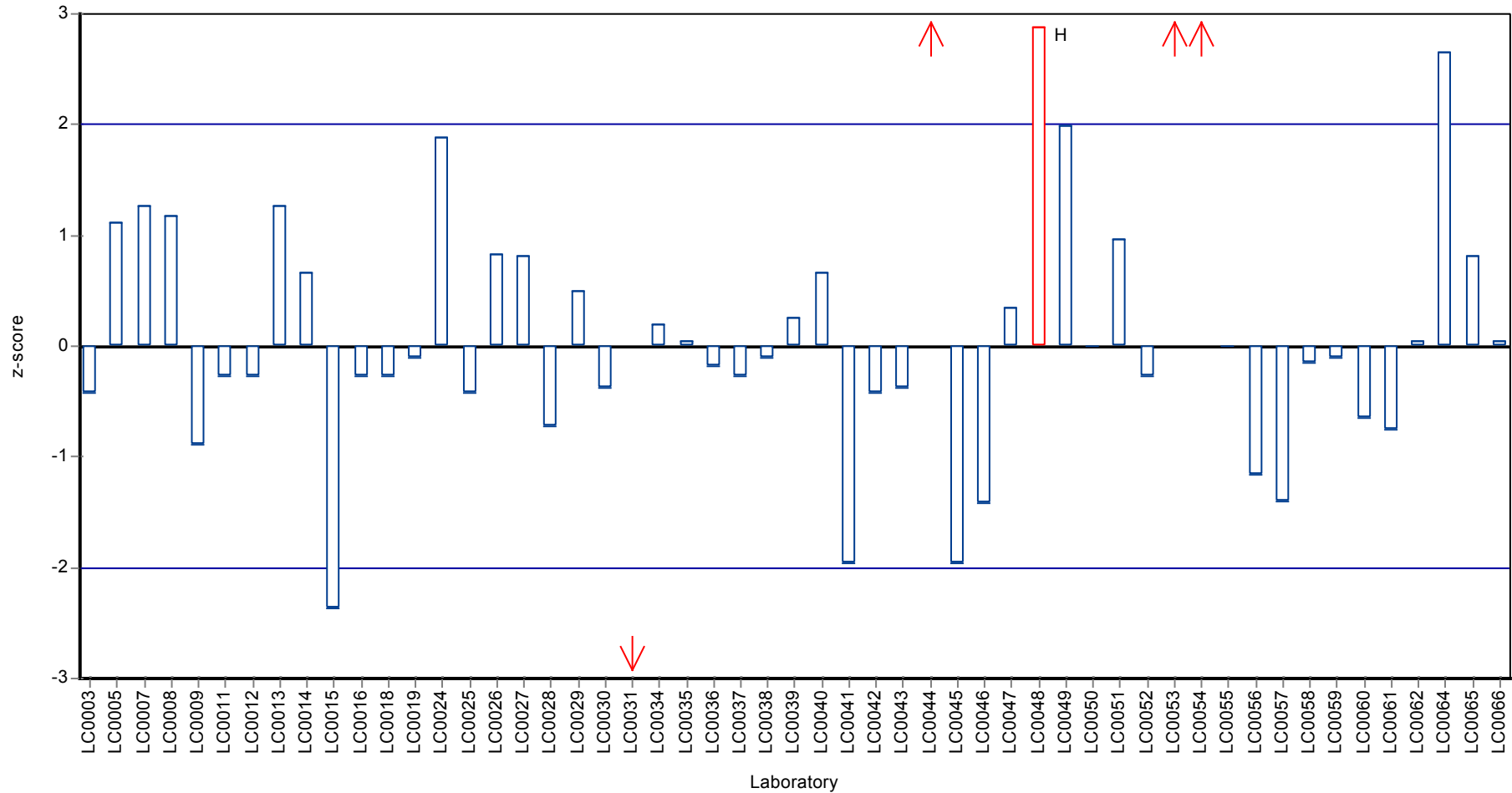
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Magnesium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	14.6 ± 0.523	Assigned value ± U (k=2)	14.6 ± 0.152
Minimum - Maximum	13.4 - 15.9	Criterion	0.523 (3.6 %)
Control test value ± U	14.4 ± 1.52	Minimum - Maximum	13.4 - 15.9
		Control test value ± U (k=2)	14.4 ± 1.52

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	14.33	1.5	98	-0.55	
LC0004	-	-	-	-	
LC0005	14.6	0.404	99.9	-0.04	
LC0006	-	-	-	-	
LC0007	15.1	1.5	103	0.92	
LC0008	15.39	0.346	105	1.47	
LC0009	14.07	0.7	96.2	-1.05	
LC0010	-	-	-	-	
LC0011	14.5	1.8	99.2	-0.23	
LC0012	15	1	103	0.73	
LC0013	14.9	1.19	102	0.54	
LC0014	15.1	0.62	103	0.92	
LC0015	13.6	0.15	93	-1.95	
LC0016	14.7	0.9	101	0.15	
LC0017	-	-	-	-	
LC0018	14.4	0.72	98.5	-0.42	
LC0019	14.3	1.7	97.8	-0.61	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	15.6	1.66	107	1.87	
LC0025	14.2	0.9	97.1	-0.8	
LC0026	14.67	0.88	100	0.1	
LC0027	14.9	0.743	102	0.54	
LC0028	14.3	9.2	97.8	-0.61	
LC0029	14.8	0.9	101	0.34	
LC0030	14.37	1.4	98.3	-0.48	
LC0031	1.89	0.113	12.9	-24.3	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	14.6	0.69	99.9	-0.04	
LC0035	14.7	1.5	101	0.15	
LC0036	14.54	0.727	99.5	-0.15	
LC0037	14.6	2.6	99.9	-0.04	
LC0038	14.2	2.1	97.1	-0.8	
LC0039	14.7	0.717	101	0.15	
LC0040	15	1.8	103	0.73	
LC0041	13.4	1.6	91.7	-2.33	

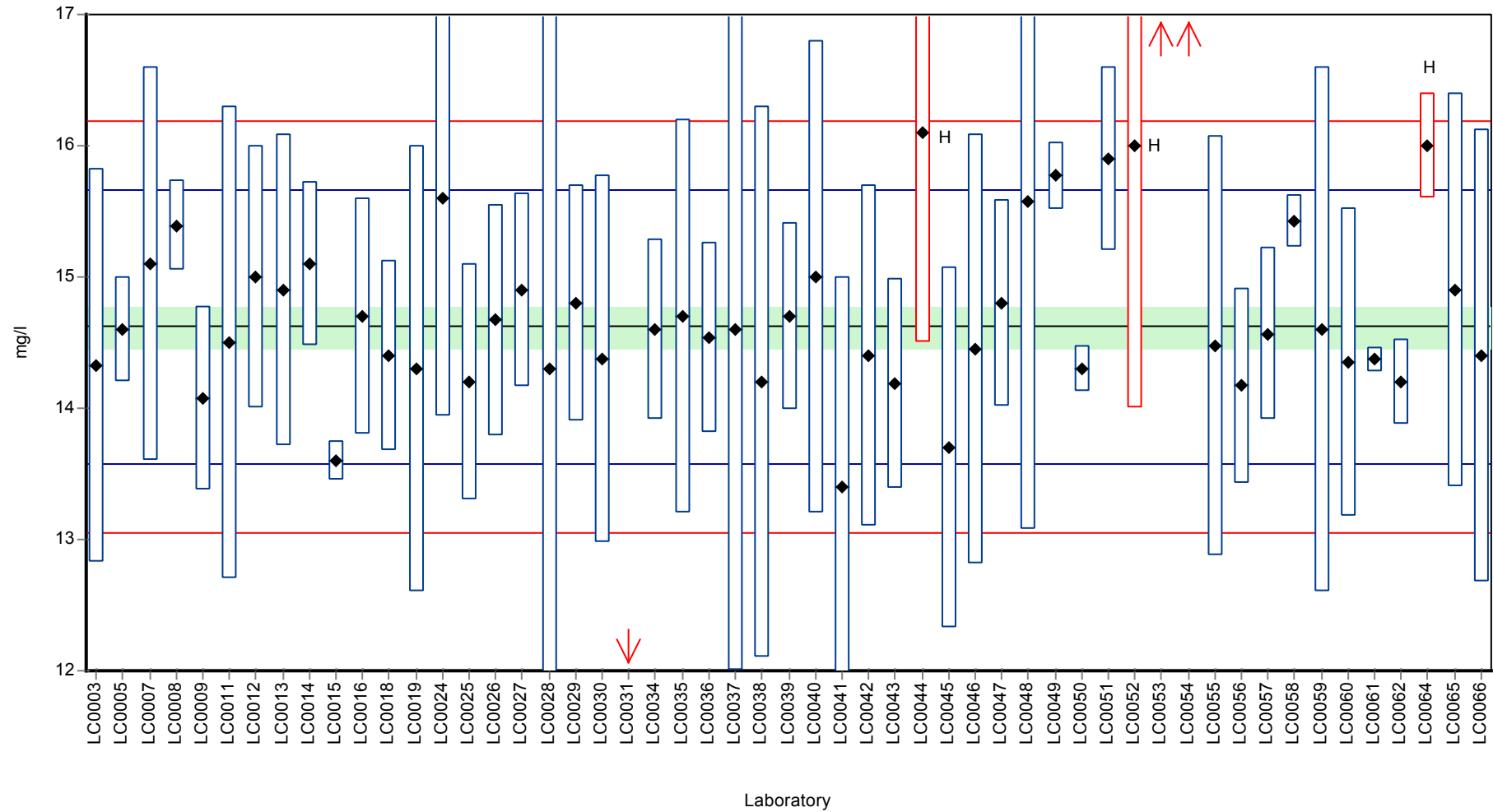
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	14.4	1.3	98.5	-0.42	
LC0043	14.19	0.8	97.1	-0.82	
LC0044	16.1	1.6	110	2.83	H
LC0045	13.7	1.37	93.7	-1.76	
LC0046	14.45	1.64	98.8	-0.32	
LC0047	14.8	0.79	101	0.34	
LC0048	15.58	2.5	107	1.83	
LC0049	15.77	0.26	108	2.2	
LC0050	14.3	0.18	97.8	-0.61	
LC0051	15.9	0.7	109	2.45	
LC0052	16	2	109	2.64	H
LC0053	38.4	3.8	263	45.4	H
LC0054	17.9	0.28	122	6.27	H
LC0055	14.48	1.6	99	-0.27	
LC0056	14.17	0.74	96.9	-0.86	
LC0057	14.5659	0.6545	99.6	-0.1	
LC0058	15.43	0.2	106	1.55	
LC0059	14.6	2	99.9	-0.04	
LC0060	14.35	1.18	98.2	-0.52	
LC0061	14.37	0.09	98.3	-0.48	
LC0062	14.2	0.325	97.1	-0.8	
LC0063	-	-	-	-	
LC0064	16	0.4	109	2.64	H
LC0065	14.9	1.5	102	0.54	
LC0066	14.4	1.73	98.5	-0.42	
LC0067	-	-	-	-	

Characteristics of parameter

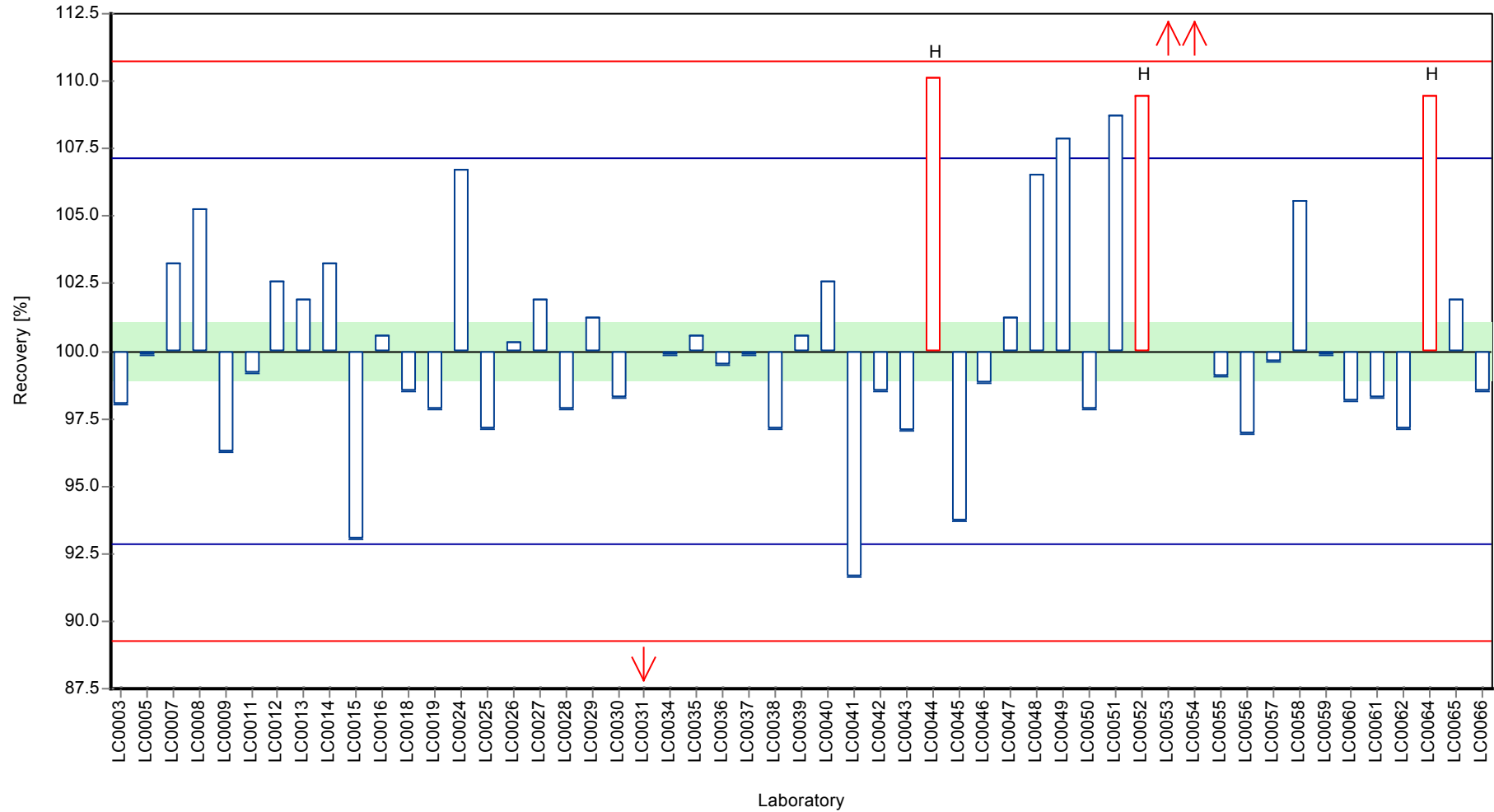
	all results	without outliers	Unit
Mean ± CI (99%)	15 ± 1.57	14.6 ± 0.229	mg/l
Minimum	1.89	13.4	mg/l
Maximum	38.4	15.9	mg/l
Standard deviation	3.8	0.523	mg/l
rel. standard deviation	25.4	3.58	%
n	53	47	-

Graphical presentation of results

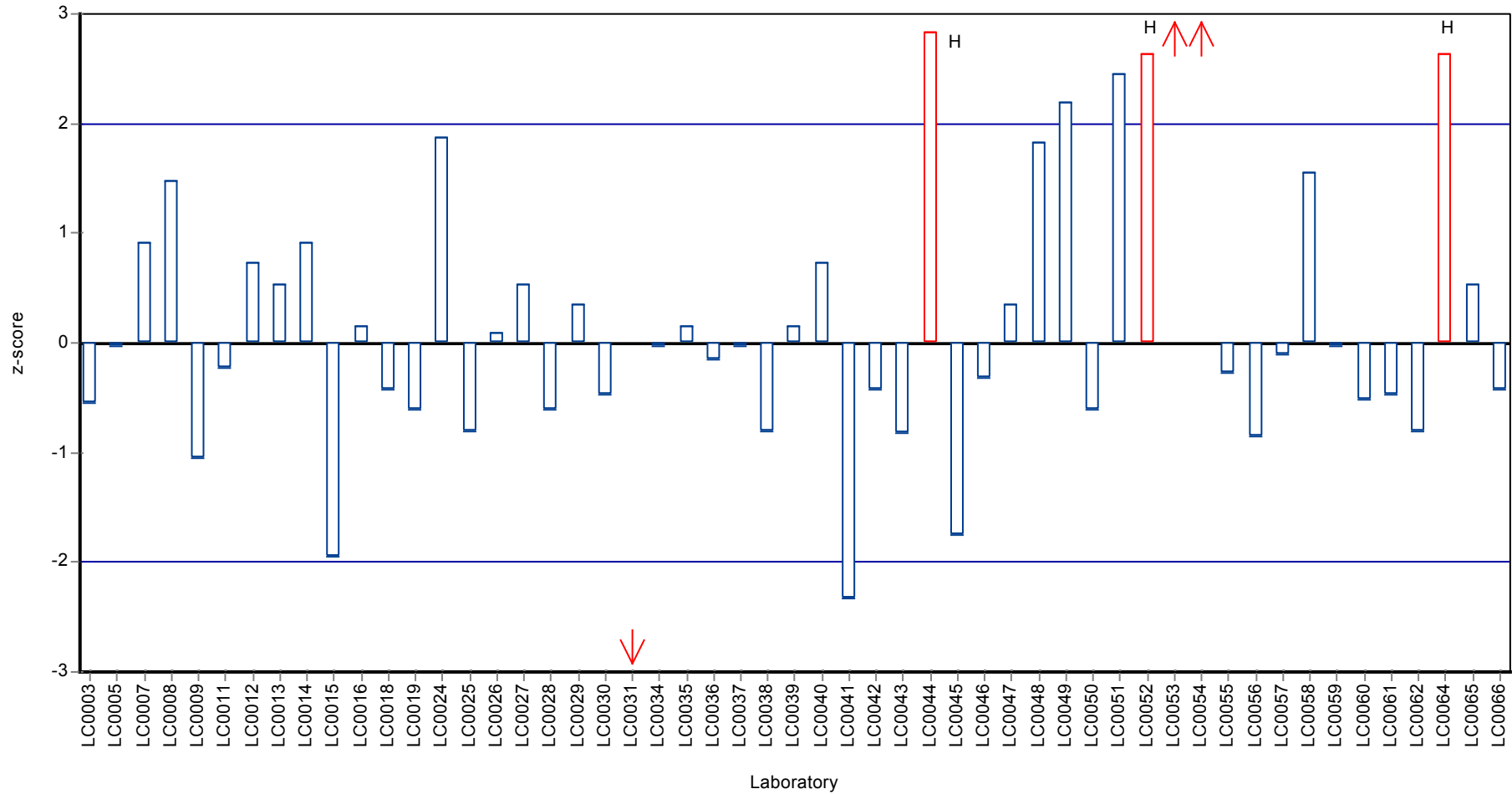
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Sodium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	6.75 ± 0.292	Assigned value ± U (k=2)	6.75 ± 0.0891
Minimum - Maximum	6.15 - 7.4	Criterion	0.292 (4.3 %)
Control test value ± U	6.81 ± 0.713	Minimum - Maximum	6.15 - 7.4
		Control test value ± U (k=2)	6.81 ± 0.713

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	7.29	1	108	1.84	
LC0004	-	-	-	-	
LC0005	7.59	0.347	112	2.86	H
LC0006	-	-	-	-	
LC0007	6.44	0.64	95.4	-1.07	
LC0008	6.68	0.045	98.9	-0.25	
LC0009	6.194	0.31	91.7	-1.91	
LC0010	-	-	-	-	
LC0011	6.74	1.1	99.8	-0.05	
LC0012	6.6	1	97.7	-0.52	
LC0013	6.15	0.431	91.1	-2.06	
LC0014	6.76	0.4	100	0.02	
LC0015	6.56	0.06	97.1	-0.66	
LC0016	6.6	0.04	97.7	-0.52	
LC0017	-	-	-	-	
LC0018	6.8	0.34	101	0.16	
LC0019	6.56	0.81	97.1	-0.66	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	5.8	0.74	85.9	-3.26	H
LC0025	6.47	0.4	95.8	-0.97	
LC0026	6.63	0.398	98.2	-0.42	
LC0027	6.91	0.346	102	0.54	
LC0028	6.75	3.2	100	-0.01	
LC0029	6.2	0.4	91.8	-1.89	
LC0030	6.77	0.7	100	0.06	
LC0031	8.948	0.477	132	7.51	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	6.65	0.32	98.5	-0.35	
LC0035	6.7	0.7	99.2	-0.18	
LC0036	6.645	0.332	98.4	-0.37	
LC0037	7	0.6	104	0.84	
LC0038	10.2	1.5	151	11.8	H
LC0039	6.843	0.341	101	0.31	
LC0040	6.8	0.44	101	0.16	
LC0041	6.47	0.78	95.8	-0.97	

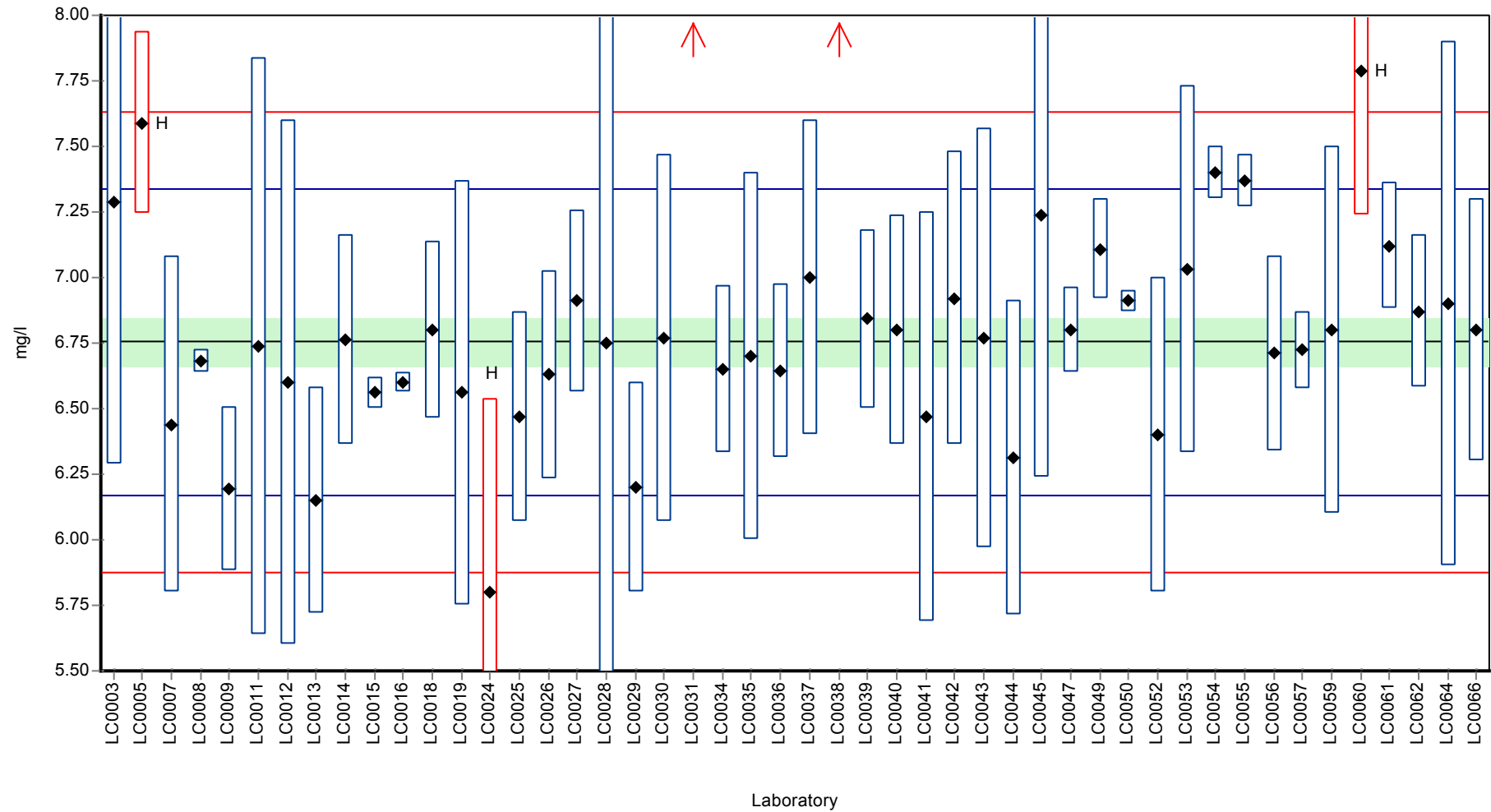
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	6.92	0.56	102	0.57	
LC0043	6.77	0.8	100	0.06	
LC0044	6.31	0.6	93.4	-1.52	
LC0045	7.24	1	107	1.66	
LC0046	-	-	-	-	
LC0047	6.8	0.16	101	0.16	
LC0048	-	-	-	-	
LC0049	7.107	0.19	105	1.21	
LC0050	6.91	0.04	102	0.54	
LC0051	-	-	-	-	
LC0052	6.4	0.6	94.8	-1.21	
LC0053	7.03	0.7	104	0.95	
LC0054	7.4	0.1	110	2.21	
LC0055	7.37	0.1	109	2.11	
LC0056	6.71	0.37	99.4	-0.15	
LC0057	6.7221	0.1443	99.5	-0.11	
LC0058	-	-	-	-	
LC0059	6.8	0.7	101	0.16	
LC0060	7.786	0.55	115	3.53	H
LC0061	7.12	0.24	105	1.25	
LC0062	6.87	0.29	102	0.4	
LC0063	-	-	-	-	
LC0064	6.9	1	102	0.5	
LC0065	-	-	-	-	
LC0066	6.8	0.5	101	0.16	
LC0067	-	-	-	-	

Characteristics of parameter

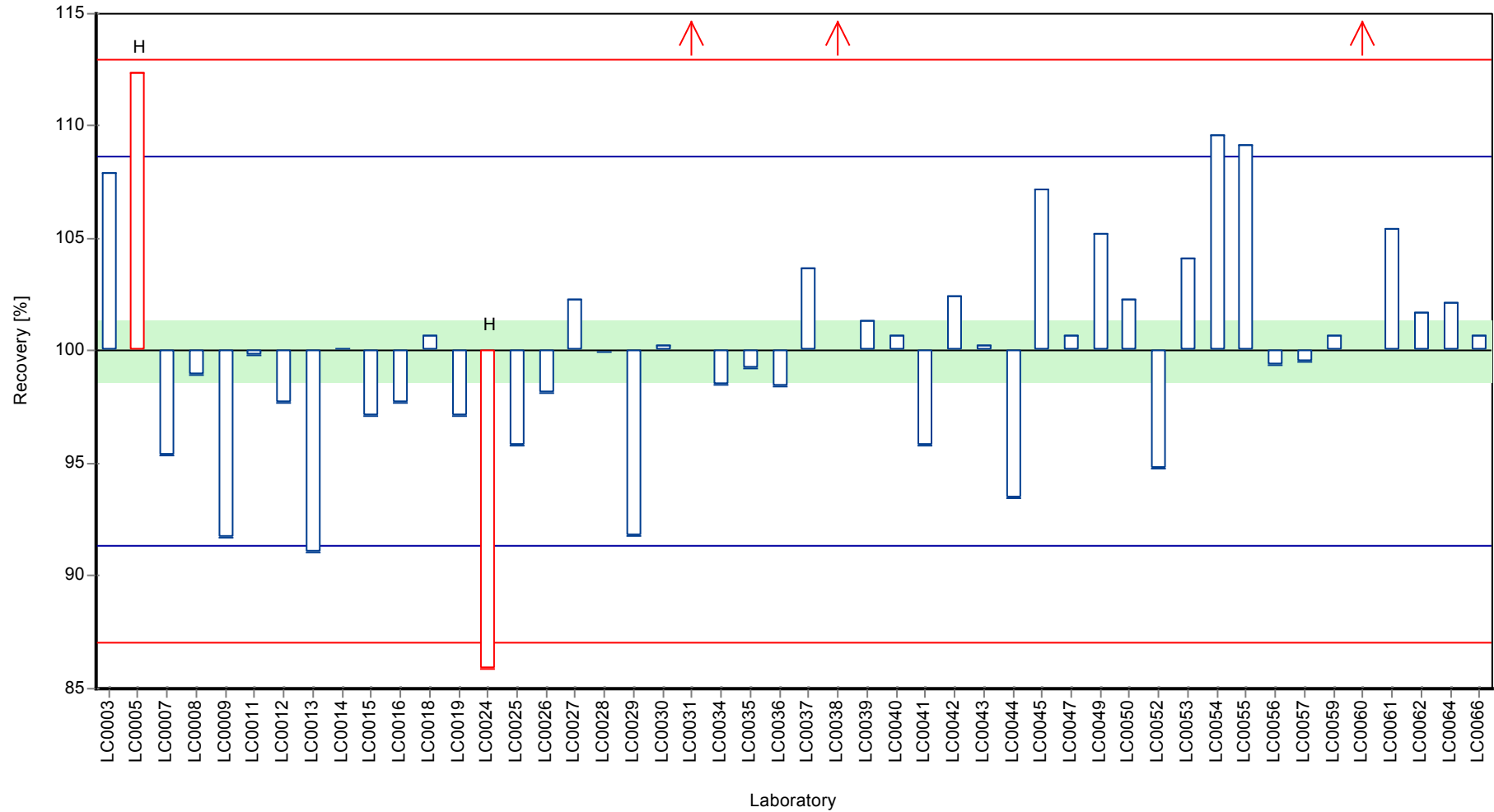
	all results	without outliers	Unit
Mean ± CI (99%)	6.89 ± 0.297	6.75 ± 0.134	mg/l
Minimum	5.8	6.15	mg/l
Maximum	10.2	7.4	mg/l
Standard deviation	0.685	0.292	mg/l
rel. standard deviation	9.94	4.33	%
n	48	43	-

Graphical presentation of results

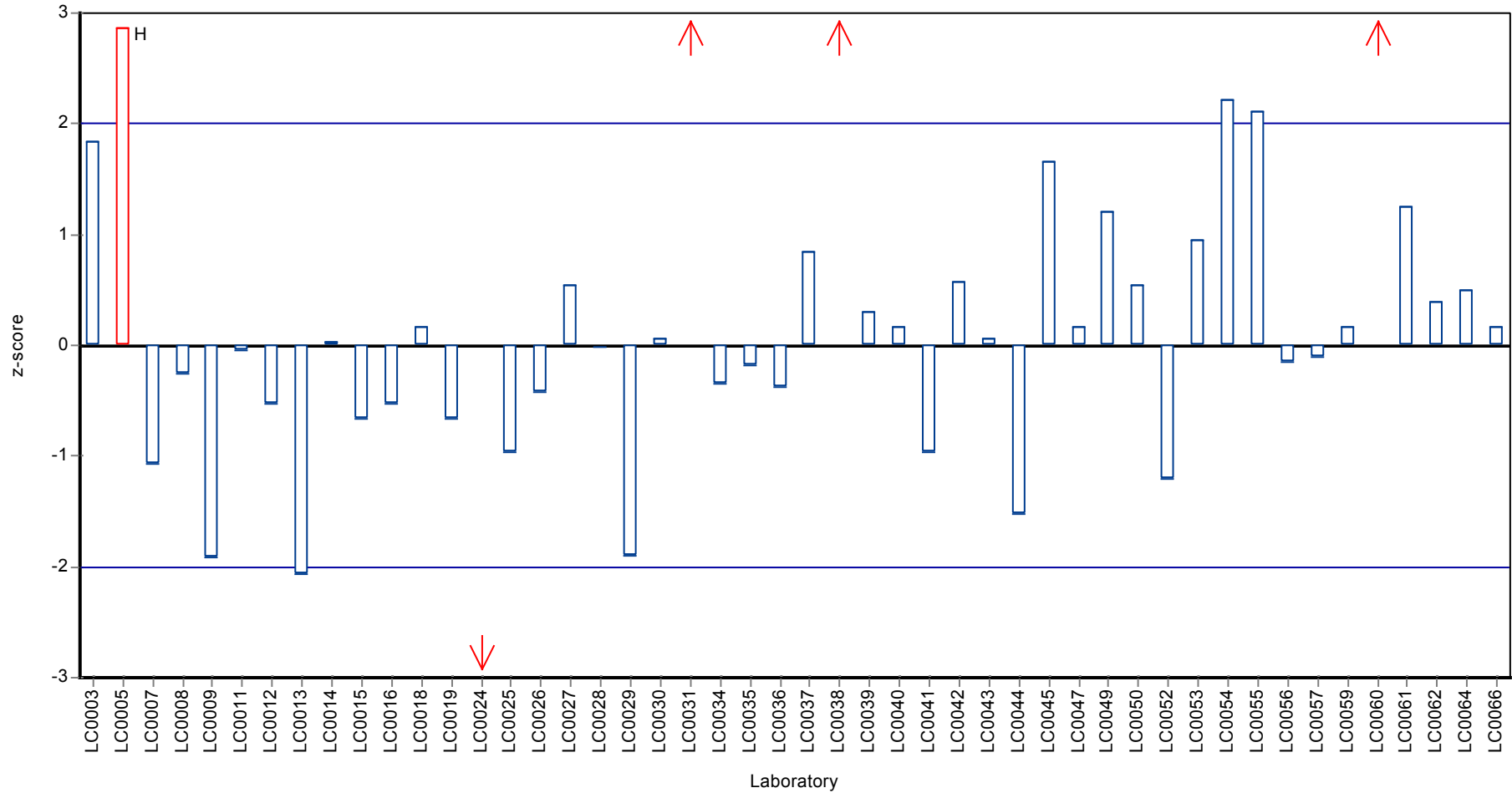
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Sodium

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	17.4 ± 0.715	Assigned value ± U (k=2)	17.4 ± 0.211
Minimum - Maximum	15.8 - 19	Criterion	0.715 (4.1 %)
Control test value ± U	17.3 ± 1.82	Minimum - Maximum	15.8 - 19
		Control test value ± U (k=2)	17.3 ± 1.82

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	18.37	2.5	106	1.35	
LC0004	-	-	-	-	
LC0005	18.2	0.896	105	1.11	
LC0006	-	-	-	-	
LC0007	16.2	1.6	93.1	-1.68	
LC0008	17.52	0.089	101	0.16	
LC0009	16.28	0.81	93.5	-1.57	
LC0010	-	-	-	-	
LC0011	17.3	2.6	99.4	-0.15	
LC0012	17	1	97.7	-0.56	
LC0013	16	1.12	91.9	-1.96	
LC0014	17.84	1.05	103	0.61	
LC0015	16.83	0.32	96.7	-0.8	
LC0016	17.1	0.9	98.3	-0.42	
LC0017	-	-	-	-	
LC0018	17.2	0.86	98.8	-0.29	
LC0019	16.7	2.07	96	-0.98	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	14.1	1.8	81	-4.62	H
LC0025	16.4	0.9	94.2	-1.4	
LC0026	17.27	1.036	99.2	-0.19	
LC0027	17.8	0.889	102	0.55	
LC0028	17.6	3.2	101	0.27	
LC0029	16.9	1	97.1	-0.7	
LC0030	17.41	1.7	100	0.01	
LC0031	22	0.085	126	6.42	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	17.1	0.82	98.3	-0.42	
LC0035	17.3	1.7	99.4	-0.15	
LC0036	17.16	0.858	98.6	-0.34	
LC0037	17.4	1.6	100	-0.01	
LC0038	18.6	2.8	107	1.67	
LC0039	17.37	0.867	99.8	-0.05	
LC0040	17.5	1.14	101	0.13	
LC0041	16.6	1.2	95.4	-1.12	

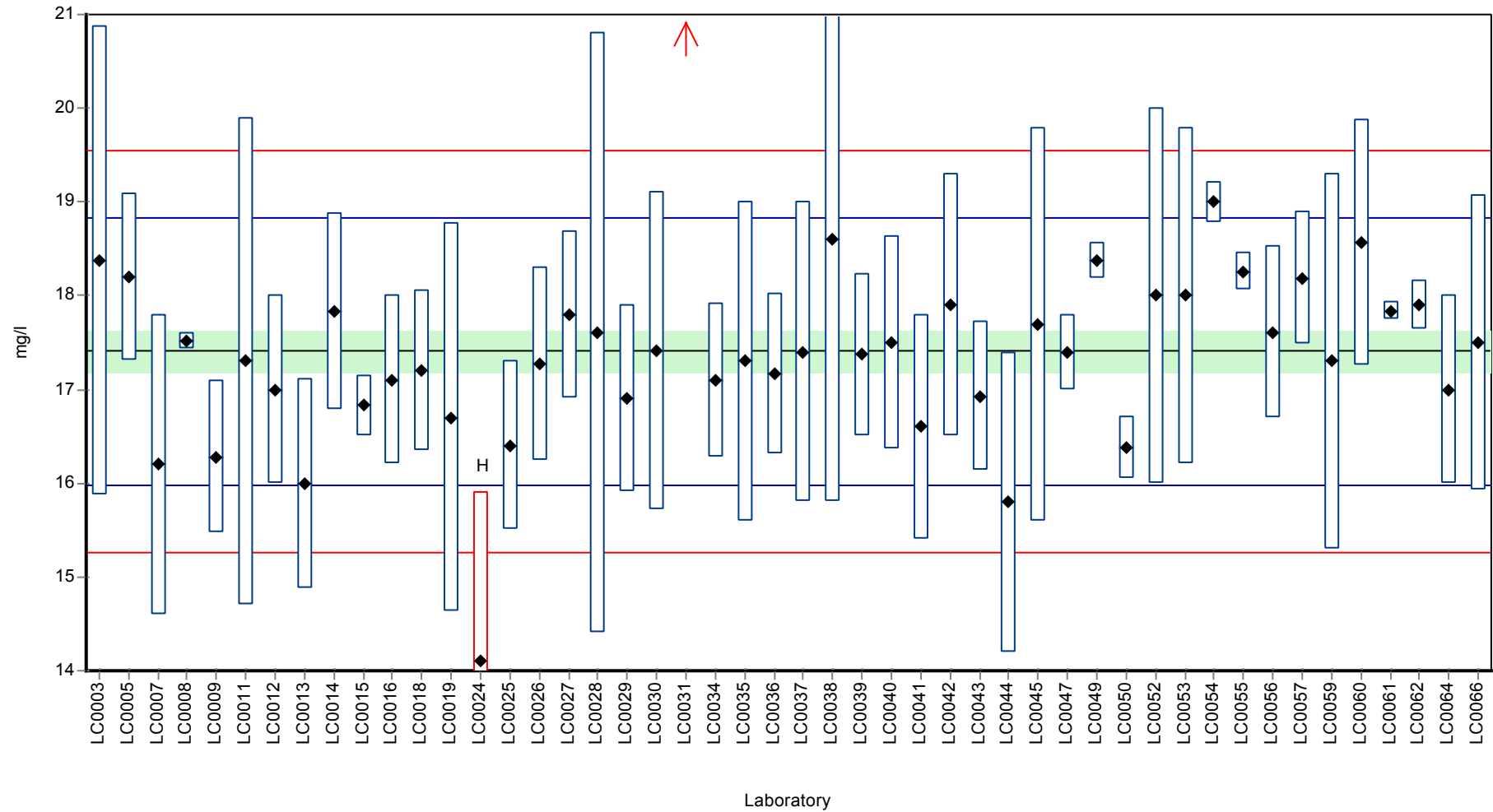
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	17.9	1.4	103	0.69	
LC0043	16.93	0.8	97.3	-0.66	
LC0044	15.8	1.6	90.8	-2.24	
LC0045	17.7	2.1	102	0.41	
LC0046	-	-	-	-	
LC0047	17.4	0.4	100	-0.01	
LC0048	-	-	-	-	
LC0049	18.37	0.19	106	1.35	
LC0050	16.38	0.34	94.1	-1.43	
LC0051	-	-	-	-	
LC0052	18	2	103	0.83	
LC0053	18	1.8	103	0.83	
LC0054	19	0.22	109	2.23	
LC0055	18.26	0.2	105	1.2	
LC0056	17.61	0.92	101	0.29	
LC0057	18.189	0.7107	105	1.1	
LC0058	-	-	-	-	
LC0059	17.3	2	99.4	-0.15	
LC0060	18.57	1.31	107	1.63	
LC0061	17.84	0.09	103	0.61	
LC0062	17.9	0.259	103	0.69	
LC0063	-	-	-	-	
LC0064	17	1	97.7	-0.56	
LC0065	-	-	-	-	
LC0066	17.5	1.57	101	0.13	
LC0067	-	-	-	-	

Characteristics of parameter

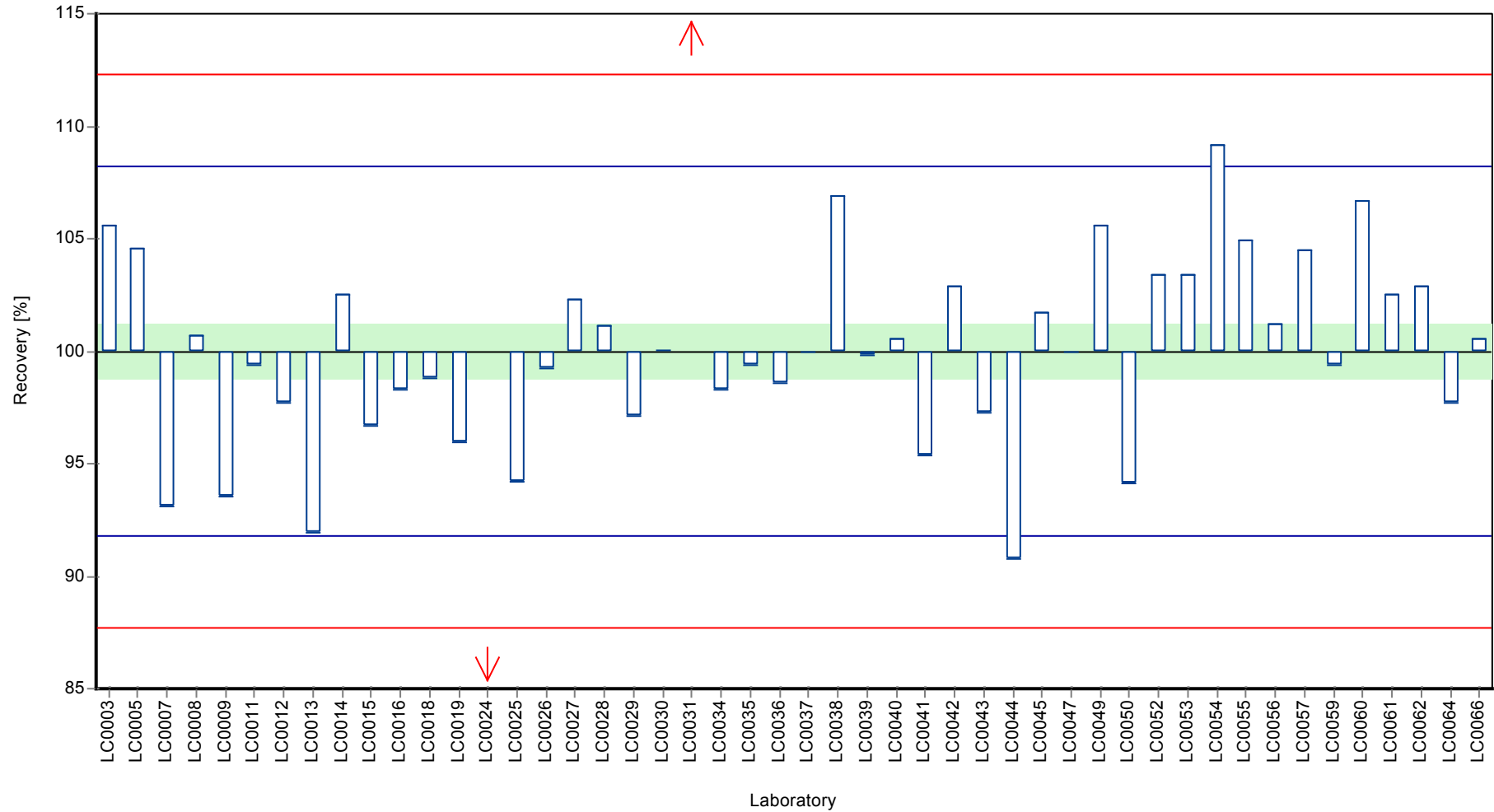
	all results	without outliers	Unit
Mean ± CI (99%)	17.4 ± 0.469	17.4 ± 0.317	mg/l
Minimum	14.1	15.8	mg/l
Maximum	22	19	mg/l
Standard deviation	1.08	0.716	mg/l
rel. standard deviation	6.21	4.11	%
n	48	46	-

Graphical presentation of results

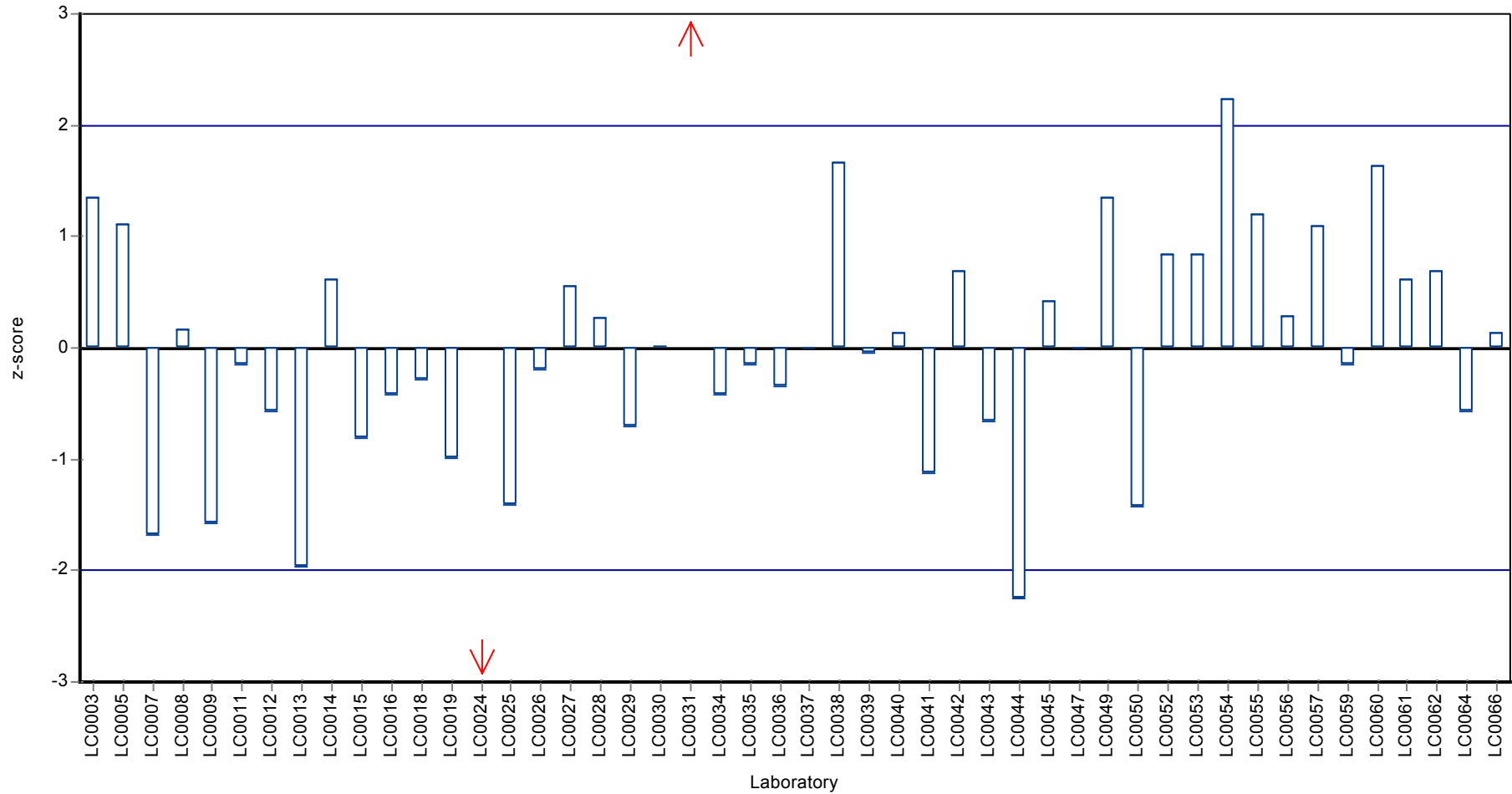
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Nitrate (as NO3)

Unit	mg/l
Assigned value ± U (k=2)	32.2 ± 1.58
Minimum - Maximum	30.4 - 34
Control test value ± U	30.7 ± 1.53

Nitrat (als NO3)

Unit	mg/l
Assigned value ± U (k=2)	32.2 ± 0.249
Criterion	1.58 (4.9 %)
Minimum - Maximum	30.4 - 34
Control test value ± U (k=2)	30.7 ± 1.53

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	30.5	2.6	94.9	-1.05	
LC0004	-	-	-	-	
LC0005	32.97	0.831	103	0.52	
LC0006	-	-	-	-	
LC0007	31.1	3.1	96.7	-0.67	
LC0008	32.76	0.111	102	0.39	
LC0009	33.22	1.66	103	0.68	
LC0010	-	-	-	-	
LC0011	33.4	3	104	0.79	
LC0012	32	2	99.5	-0.1	
LC0013	31.4	2.83	97.7	-0.48	
LC0014	32.2	2.7	100	0.03	
LC0015	28.3	1.5	88	-2.45	H
LC0016	32.4	4	101	0.16	
LC0017	-	-	-	-	
LC0018	31.8	3.18	98.9	-0.22	
LC0019	31.6	5.21	98.3	-0.35	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	30.7	3.1	95.5	-0.92	
LC0023	-	-	-	-	
LC0024	32.1	3.15	99.8	-0.03	
LC0025	30.4	2	94.6	-1.11	
LC0026	32.244	1.2898	100	0.06	
LC0027	31.4	1.57	97.7	-0.48	
LC0028	32.9	2.3	102	0.47	
LC0029	32.6	2.3	101	0.28	
LC0030	33.57	3.4	104	0.9	
LC0031	32.45	0.001	101	0.19	
LC0032	31.6	0.22	98.3	-0.35	
LC0033	33	2	103	0.54	
LC0034	31.5	2.11	98	-0.41	
LC0035	32	3	99.5	-0.1	
LC0036	32.01	0.96	99.6	-0.09	
LC0037	27	3	84	-3.27	H
LC0038	31.73	4.8	98.7	-0.27	
LC0039	31.43	2.75	97.8	-0.46	
LC0040	33.7	3.54	105	0.98	
LC0041	32.7	1.4	102	0.35	

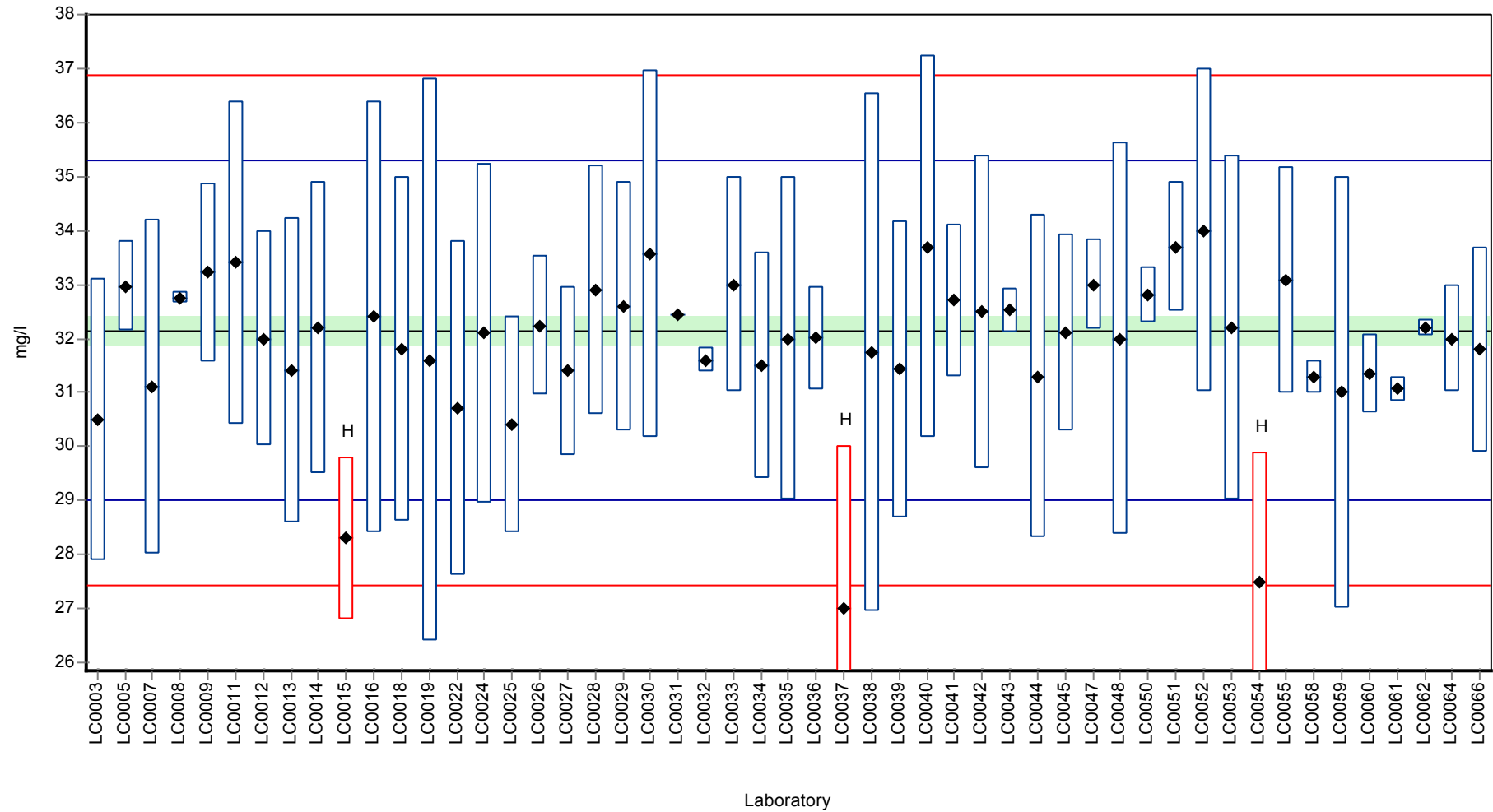
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	32.5	2.9	101	0.22	
LC0043	32.52	0.4	101	0.23	
LC0044	31.3	3	97.4	-0.54	
LC0045	32.1	1.83	99.8	-0.03	
LC0046	-	-	-	-	
LC0047	33	0.84	103	0.54	
LC0048	32	3.62	99.5	-0.1	
LC0049	-	-	-	-	
LC0050	32.81	0.52	102	0.42	
LC0051	33.7	1.2	105	0.98	
LC0052	34	3	106	1.17	
LC0053	32.2	3.2	100	0.03	
LC0054	27.5	2.4	85.5	-2.95	H
LC0055	33.09	2.1	103	0.59	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	31.28	0.3	97.3	-0.55	
LC0059	31	4	96.4	-0.73	
LC0060	31.35	0.73	97.5	-0.51	
LC0061	31.06	0.23	96.6	-0.69	
LC0062	32.2	0.16	100	0.03	
LC0063	-	-	-	-	
LC0064	32	1	99.5	-0.1	
LC0065	-	-	-	-	
LC0066	31.8	1.9	98.9	-0.22	
LC0067	-	-	-	-	

Characteristics of parameter

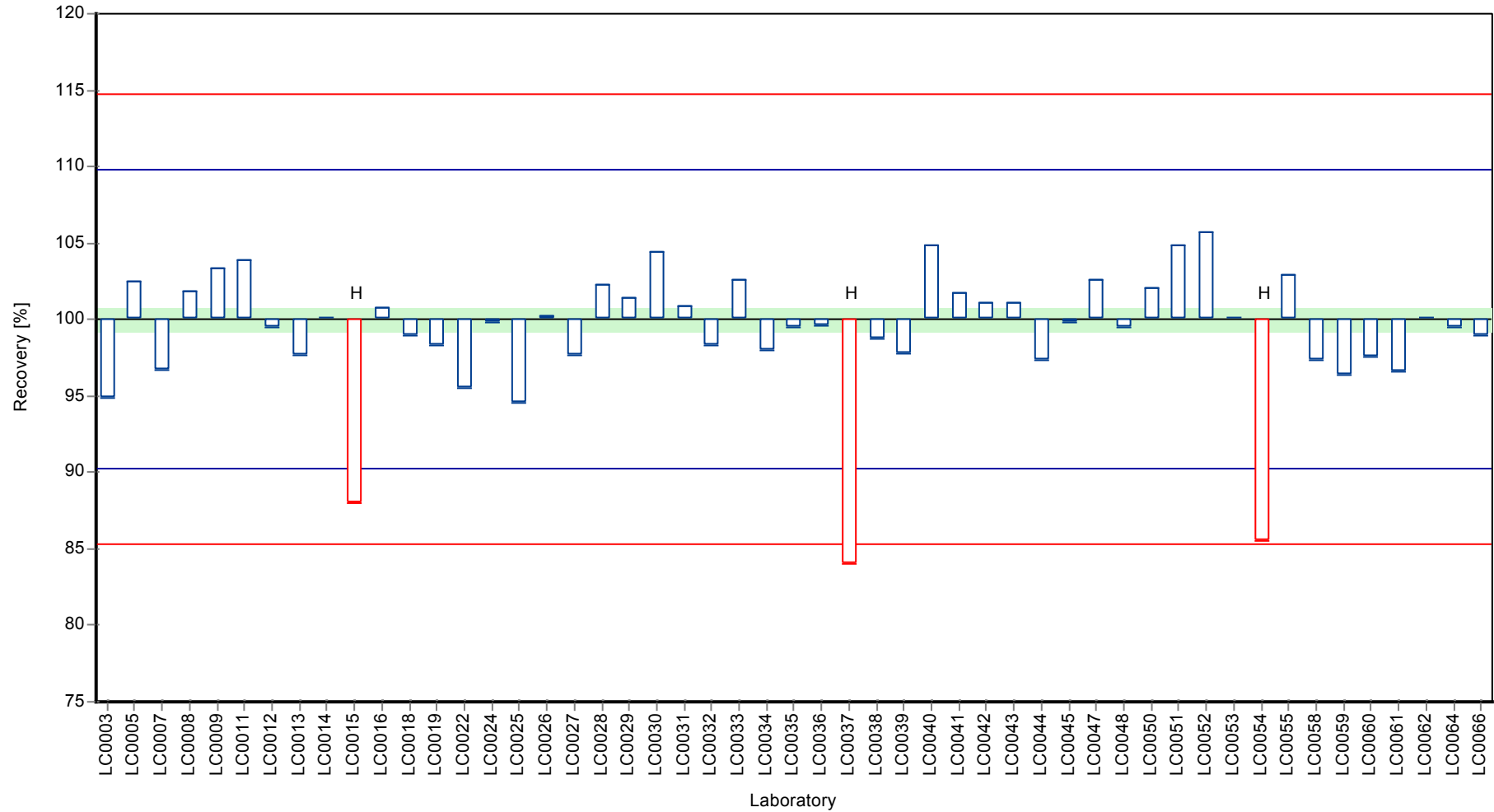
	all results	without outliers	Unit
Mean ± CI (99%)	31.9 ± 0.577	32.2 ± 0.374	mg/l
Minimum	27	30.4	mg/l
Maximum	34	34	mg/l
Standard deviation	1.37	0.864	mg/l
rel. standard deviation	4.31	2.69	%
n	51	48	-

Graphical presentation of results

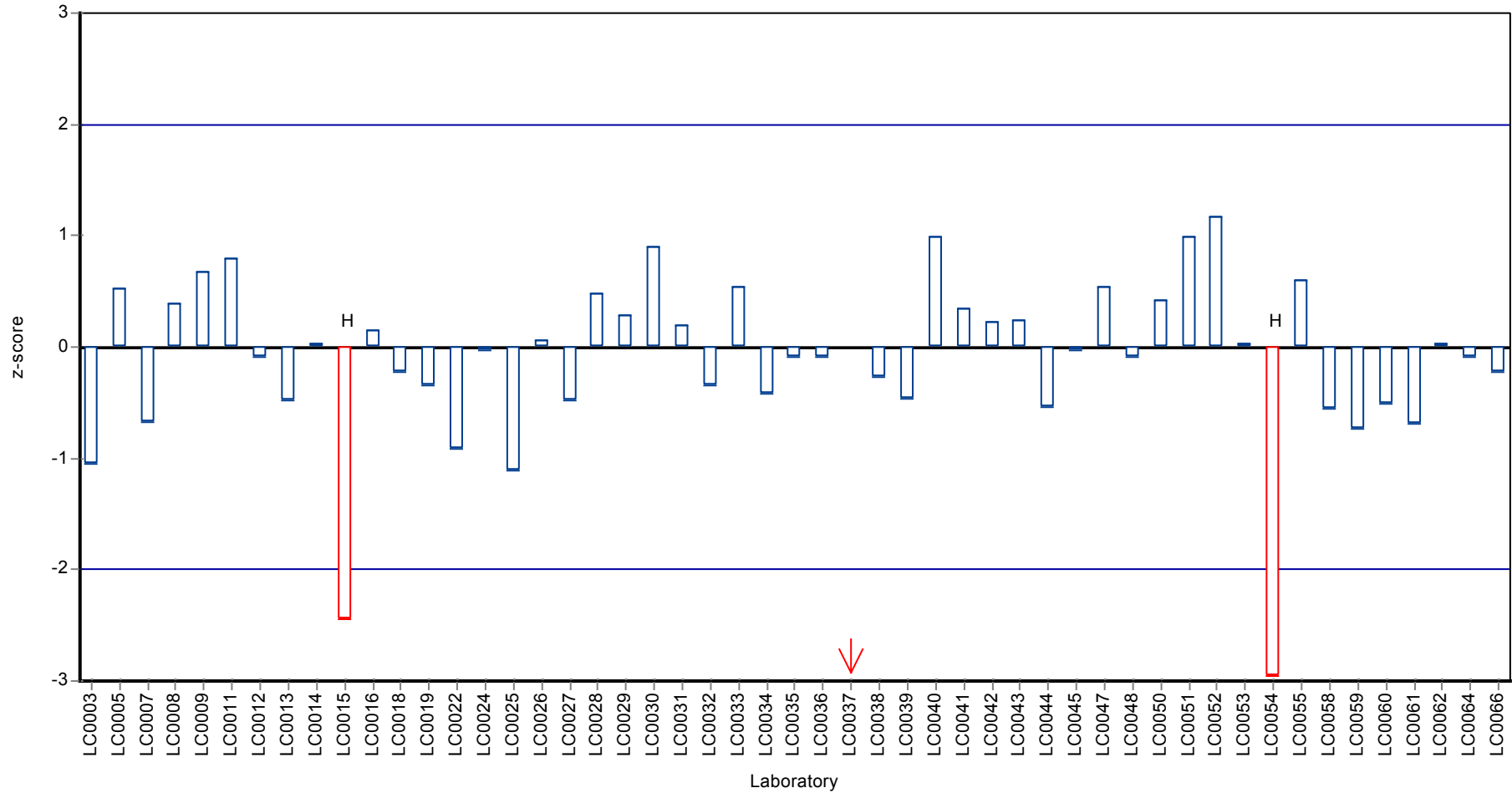
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Nitrate (as NO₃)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	12.5 ± 0.611	Assigned value ± U (k=2)	12.5 ± 0.117
Minimum - Maximum	11.5 - 13.6	Criterion	0.611 (4.9 %)
Control test value ± U	11.9 ± 0.597	Minimum - Maximum	11.5 - 13.6
		Control test value ± U (k=2)	11.9 ± 0.597

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	11.77	0.36	94.4	-1.14	
LC0003	11.54	1.2	92.6	-1.51	
LC0004	-	-	-	-	
LC0005	12.65	0.199	101	0.3	
LC0006	-	-	-	-	
LC0007	12.3	1.2	98.7	-0.27	
LC0008	13.55	0.065	109	1.78	
LC0009	12.39	0.62	99.4	-0.12	
LC0010	-	-	-	-	
LC0011	12.6	0.9	101	0.22	
LC0012	12	1	96.3	-0.76	
LC0013	11.7	1.06	93.9	-1.25	
LC0014	12.8	1.1	103	0.55	
LC0015	12.5	0.7	100	0.06	
LC0016	12.7	1.6	102	0.39	
LC0017	-	-	-	-	
LC0018	12.6	0.63	101	0.22	
LC0019	12.3	2.03	98.7	-0.27	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	12	1.2	96.3	-0.76	
LC0023	-	-	-	-	
LC0024	11.7	1.15	93.9	-1.25	
LC0025	12.2	0.6	97.9	-0.43	
LC0026	12.442	0.4977	99.8	-0.04	
LC0027	12.3	0.61	98.7	-0.27	
LC0028	12.9	2.3	103	0.71	
LC0029	12.9	0.9	103	0.71	
LC0030	13.18	1.3	106	1.17	
LC0031	12.7	0.141	102	0.39	
LC0032	12.5	0.088	100	0.06	
LC0033	13	2	104	0.88	
LC0034	12.2	0.82	97.9	-0.43	
LC0035	12	1.2	96.3	-0.76	
LC0036	12.52	0.376	100	0.09	
LC0037	10.9	1.2	87.5	-2.56	H
LC0038	12.29	1.8	98.6	-0.28	
LC0039	12.74	1.115	102	0.45	
LC0040	13	1.37	104	0.88	
LC0041	12.5	0.55	100	0.06	

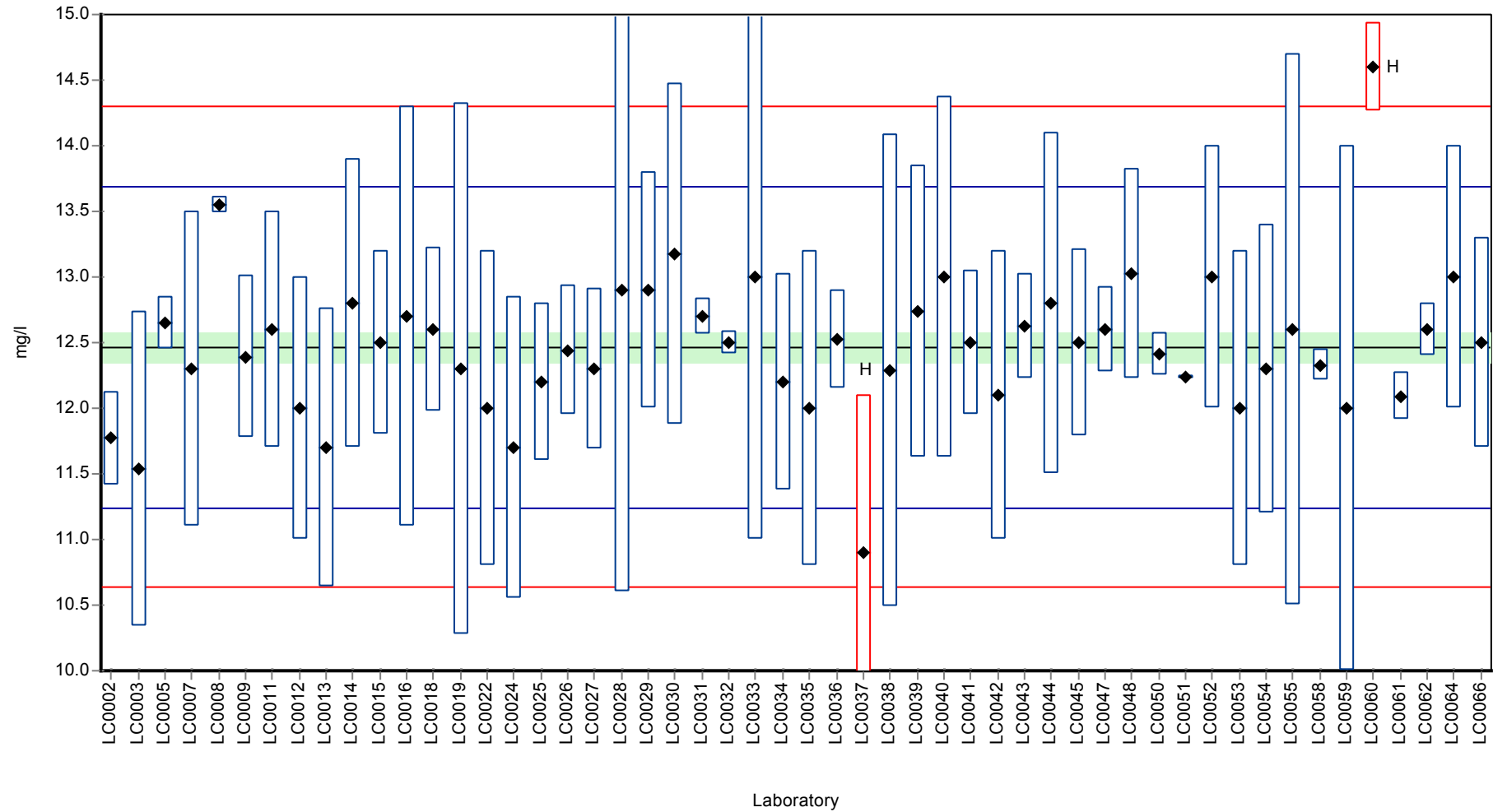
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	12.1	1.1	97.1	-0.6	
LC0043	12.63	0.4	101	0.27	
LC0044	12.8	1.3	103	0.55	
LC0045	12.5	0.711	100	0.06	
LC0046	-	-	-	-	
LC0047	12.6	0.32	101	0.22	
LC0048	13.03	0.8	105	0.93	
LC0049	-	-	-	-	
LC0050	12.41	0.165	99.6	-0.09	
LC0051	12.24	0.01	98.2	-0.37	
LC0052	13	1	104	0.88	
LC0053	12	1.2	96.3	-0.76	
LC0054	12.3	1.1	98.7	-0.27	
LC0055	12.6	2.1	101	0.22	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	12.33	0.12	98.9	-0.22	
LC0059	12	2	96.3	-0.76	
LC0060	14.6	0.34	117	3.5	H
LC0061	12.09	0.18	97	-0.61	
LC0062	12.6	0.2	101	0.22	
LC0063	-	-	-	-	
LC0064	13	1	104	0.88	
LC0065	-	-	-	-	
LC0066	12.5	0.8	100	0.06	
LC0067	-	-	-	-	

Characteristics of parameter

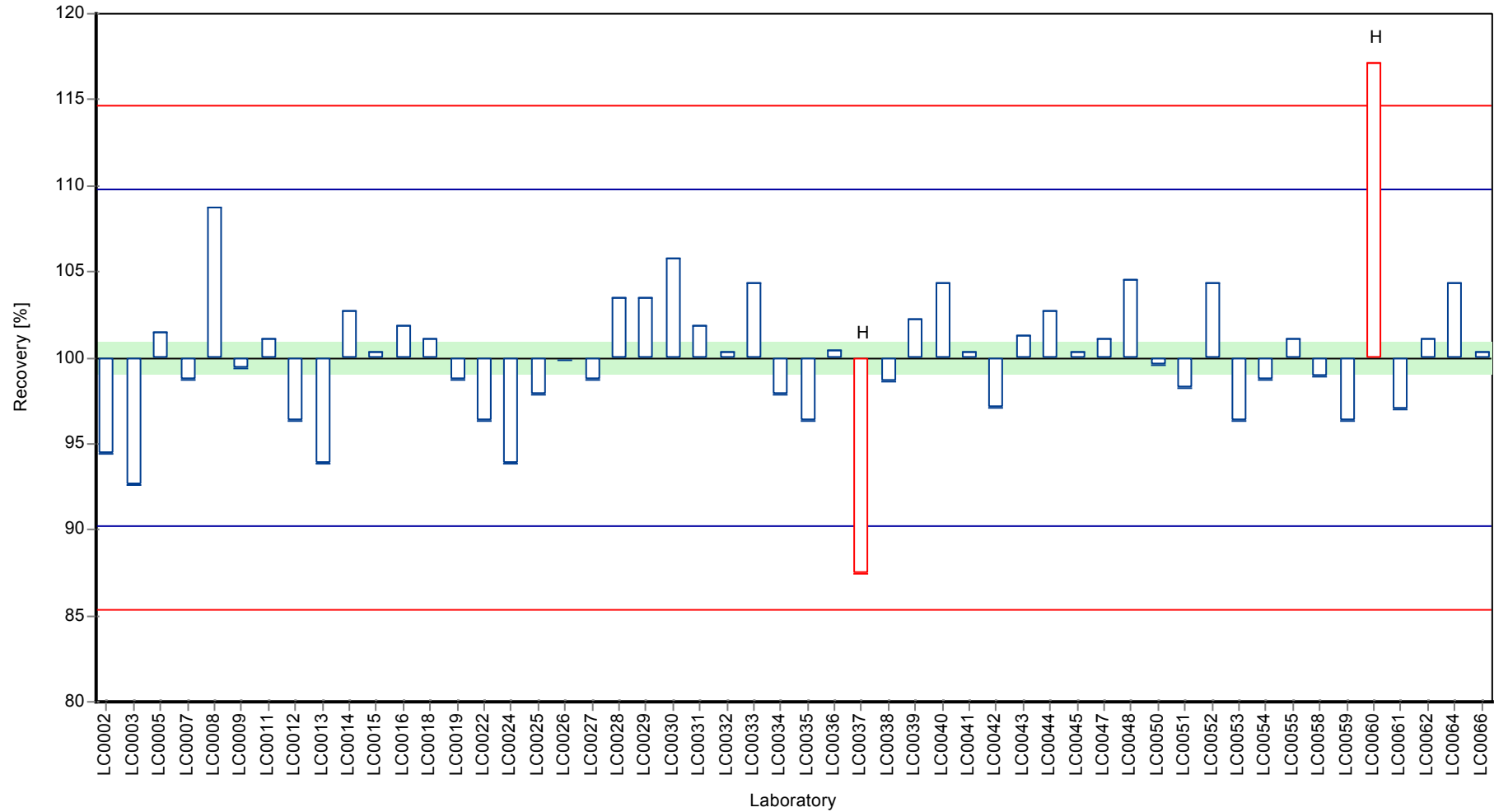
	all results	without outliers	Unit
Mean ± CI (99%)	12.5 ± 0.228	12.5 ± 0.175	mg/l
Minimum	10.9	11.5	mg/l
Maximum	14.6	13.6	mg/l
Standard deviation	0.548	0.412	mg/l
rel. standard deviation	4.39	3.31	%
n	52	50	-

Graphical presentation of results

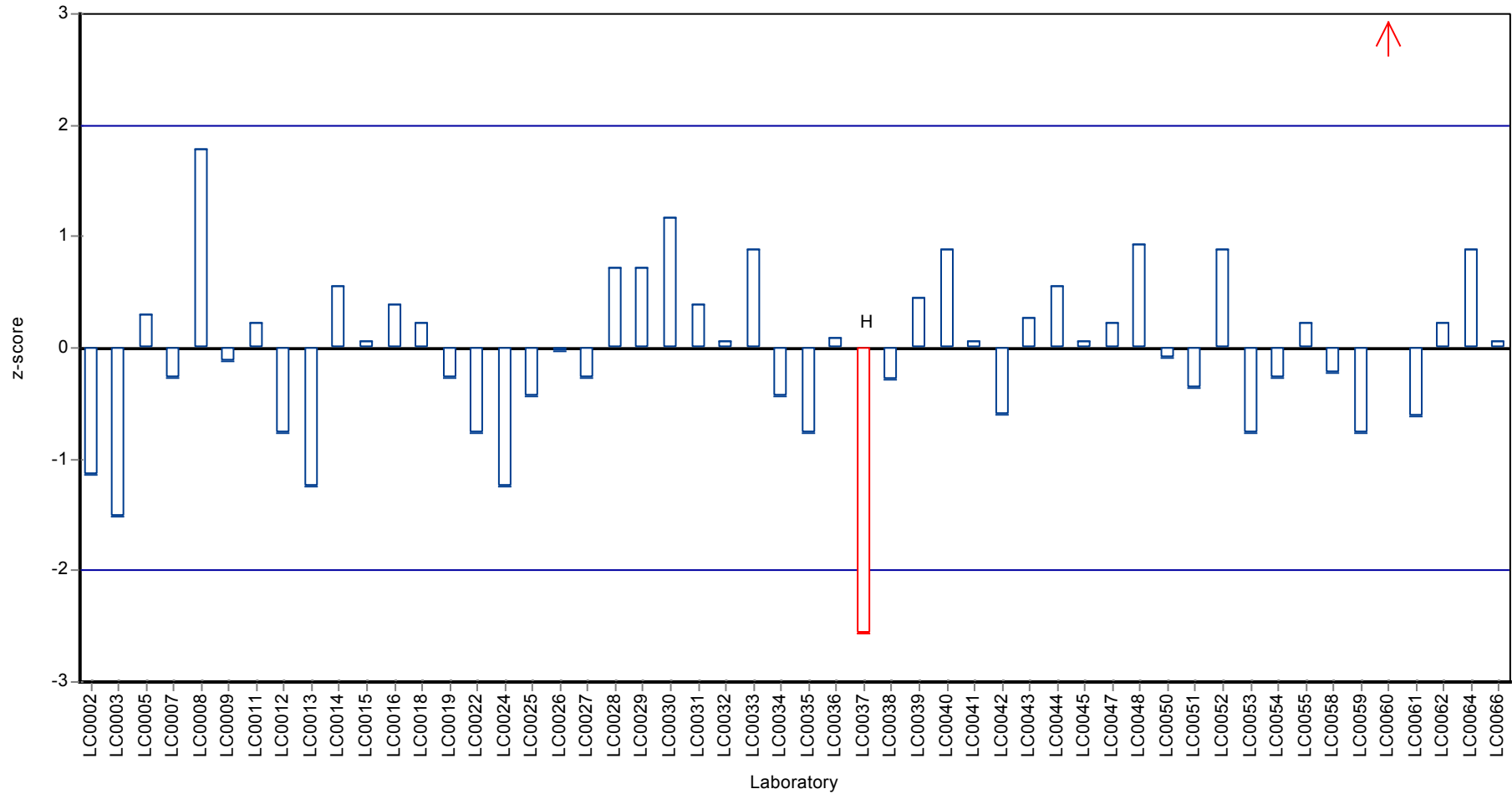
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Nitrite (as NO₂)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.188 ± 0.00998	Assigned value ± U (k=2)	0.188 ± 0.00184
Minimum - Maximum	0.175 - 0.205	Criterion	0.00998 (5.3 %)
Control test value ± U	0.19 ± 0.0057	Minimum - Maximum	0.175 - 0.205
		Control test value ± U (k=2)	0.19 ± 0.0057

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.191	-	101	0.28	
LC0002	-	-	-	-	
LC0003	0.196	0.017	104	0.78	
LC0004	-	-	-	-	
LC0005	0.1837	0.0008	97.6	-0.46	
LC0006	-	-	-	-	
LC0007	0.187	0.019	99.3	-0.13	
LC0008	0.184	0.002	97.7	-0.43	
LC0009	0.184	0.009	97.7	-0.43	
LC0010	-	-	-	-	
LC0011	0.195	0.02	104	0.68	
LC0012	0.18	0.01	95.6	-0.83	
LC0013	0.189	0.04	100	0.07	
LC0014	0.19	0.011	101	0.17	
LC0015	0.182	0.009	96.7	-0.63	
LC0016	0.19	0.019	101	0.17	
LC0017	-	-	-	-	
LC0018	0.196	0.0196	104	0.78	
LC0019	0.189	0.012	100	0.07	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.197	0.02	105	0.88	
LC0023	-	-	-	-	
LC0024	0.205	0.021	109	1.68	
LC0025	0.19	0.009	101	0.17	
LC0026	0.181	0.0145	96.1	-0.73	
LC0027	0.192	0.01	102	0.38	
LC0028	0.017	1.9	9	-17.2	H
LC0029	0.175	0.012	93	-1.33	
LC0030	0.19	0.02	101	0.17	
LC0031	0.178	0.008	94.6	-1.03	
LC0032	0.18	0.012	95.6	-0.83	
LC0033	<0.5 (LOD)	-	-	-	
LC0034	0.196	0.014	104	0.78	
LC0035	0.2	0.04	106	1.18	
LC0036	0.1884	0.0151	100	0.01	
LC0037	0.189	0.017	100	0.07	
LC0038	0.192	0.029	102	0.38	
LC0039	0.3	0.0352	159	11.2	H
LC0040	0.19	0.019	101	0.17	
LC0041	0.188	0.009	99.9	-0.03	

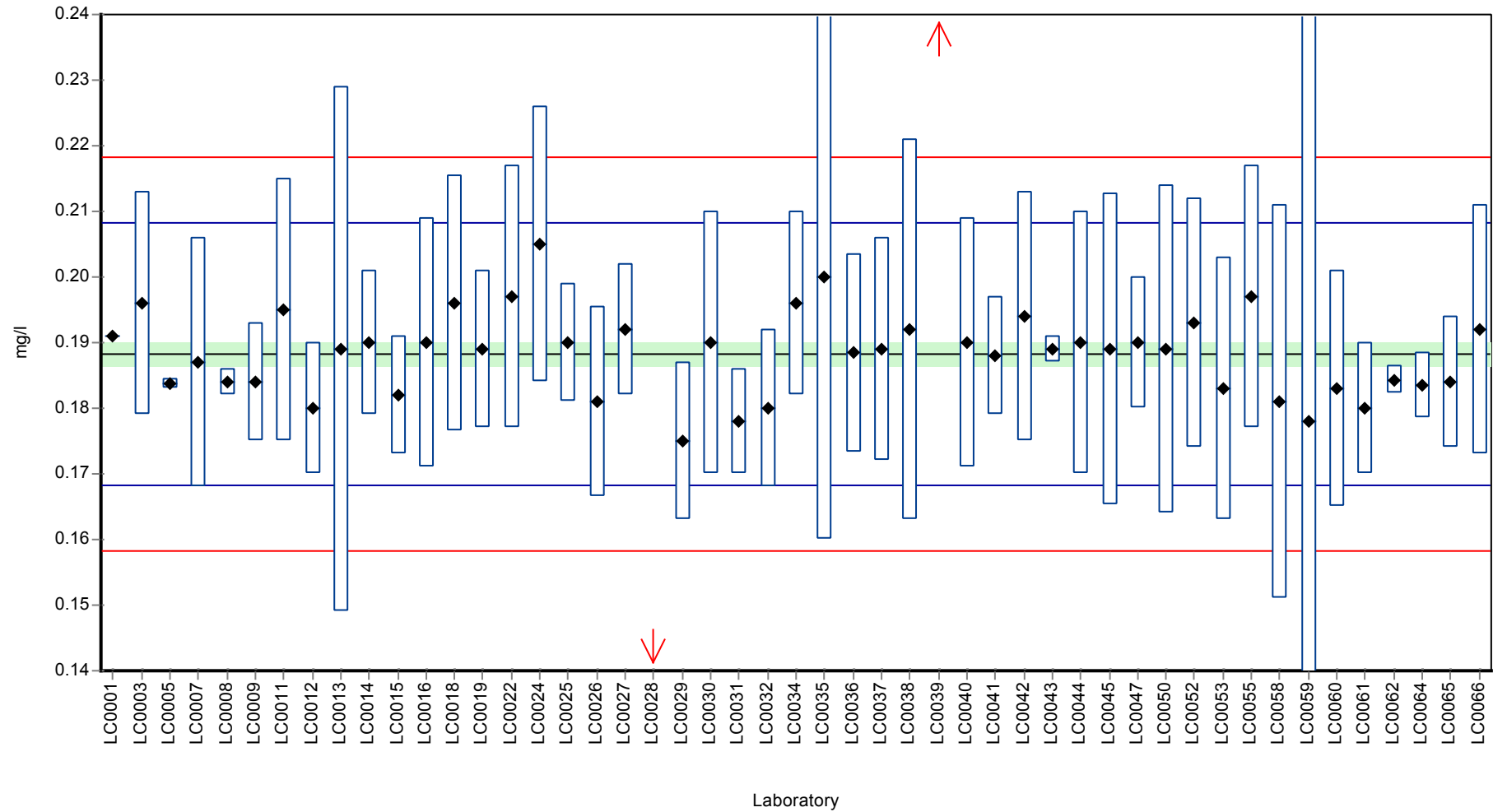
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.194	0.019	103	0.58	
LC0043	0.189	0.002	100	0.07	
LC0044	0.19	0.02	101	0.17	
LC0045	0.189	0.0237	100	0.07	
LC0046	-	-	-	-	
LC0047	0.19	0.01	101	0.17	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.189	0.025	100	0.07	
LC0051	-	-	-	-	
LC0052	0.193	0.019	103	0.48	
LC0053	0.183	0.02	97.2	-0.53	
LC0054	< 0.1 (LOQ)	-	-	-	
LC0055	0.197	0.02	105	0.88	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.181	0.03	96.1	-0.73	
LC0059	0.178	0.2	94.6	-1.03	
LC0060	0.183	0.018	97.2	-0.53	
LC0061	0.18	0.01	95.6	-0.83	
LC0062	0.1843	0.0021	97.9	-0.4	
LC0063	-	-	-	-	
LC0064	0.1835	0.005	97.5	-0.48	
LC0065	0.184	0.01	97.7	-0.43	
LC0066	0.192	0.019	102	0.38	
LC0067	-	-	-	-	

Characteristics of parameter

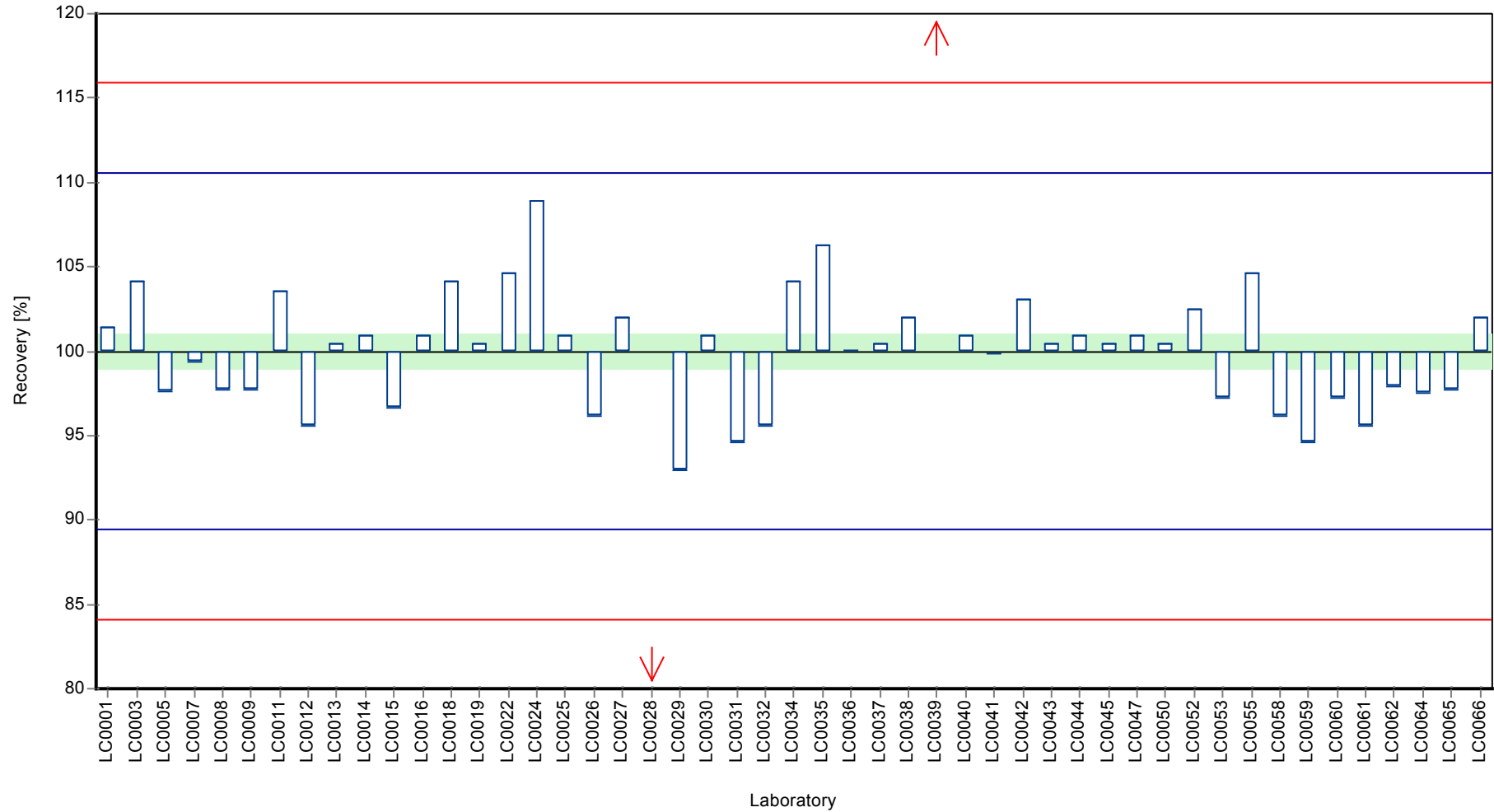
	all results	without outliers	Unit
Mean ± CI (99%)	0.187 ± 0.0129	0.188 ± 0.00276	mg/l
Minimum	0.017	0.175	mg/l
Maximum	0.3	0.205	mg/l
Standard deviation	0.0301	0.00631	mg/l
rel. standard deviation	16.1	3.35	%
n	49	47	-

Graphical presentation of results

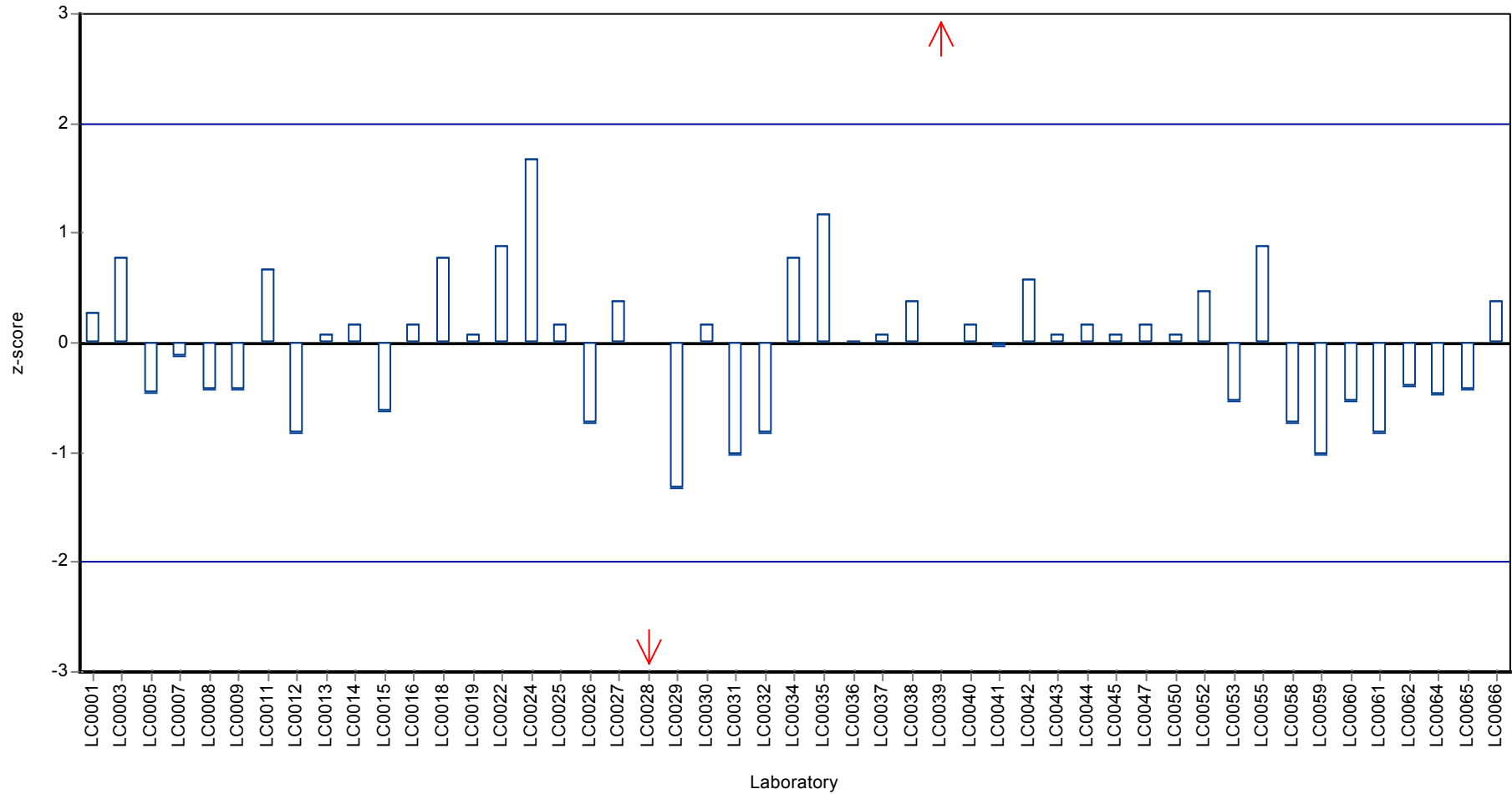
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Nitrite (as NO₂)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.0631 ± 0.00423	Assigned value ± U (k=2)	0.0631 ± 0.00126
Minimum - Maximum	0.0511 - 0.076	Criterion	0.00423 (6.7 %)
Control test value ± U	0.0637 ± 0.00191	Minimum - Maximum	0.0511 - 0.076
		Control test value ± U (k=2)	0.0637 ± 0.00191

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	0.065	-	103	0.46	
LC0002	-	-	-	-	
LC0003	0.065	0.005	103	0.46	
LC0004	-	-	-	-	
LC0005	0.0633	0.001	100	0.05	
LC0006	-	-	-	-	
LC0007	0.062	0.006	98.3	-0.25	
LC0008	0.076	0.001	120	3.06	
LC0009	0.063	0.003	99.9	-0.02	
LC0010	-	-	-	-	
LC0011	0.064	0.005	101	0.22	
LC0012	0.06	0.01	95.1	-0.73	
LC0013	0.0619	0.013	98.1	-0.28	
LC0014	0.064	0.004	101	0.22	
LC0015	0.06	0.001	95.1	-0.73	
LC0016	0.064	0.008	101	0.22	
LC0017	-	-	-	-	
LC0018	0.07	0.0035	111	1.64	
LC0019	0.066	0.004	105	0.69	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.069	0.007	109	1.4	
LC0023	-	-	-	-	
LC0024	0.064	0.006	101	0.22	
LC0025	0.061	0.0004	96.7	-0.49	
LC0026	0.061	0.0049	96.7	-0.49	
LC0027	0.0642	0.003	102	0.27	
LC0028	0.006	1.9	9.5	-13.5	H
LC0029	0.064	0.004	101	0.22	
LC0030	0.063	0.006	99.9	-0.02	
LC0031	0.065	0.008	103	0.46	
LC0032	0.058	0.0038	92	-1.2	
LC0033	<0.5 (LOD)	-	-	-	
LC0034	0.064	0.004	101	0.22	
LC0035	0.06	0.012	95.1	-0.73	
LC0036	0.0511	0.0041	81	-2.83	
LC0037	0.062	0.006	98.3	-0.25	
LC0038	0.066	0.01	105	0.69	
LC0039	0.06	0.007	95.1	-0.73	
LC0040	0.068	0.0068	108	1.16	
LC0041	0.063	0.003	99.9	-0.02	

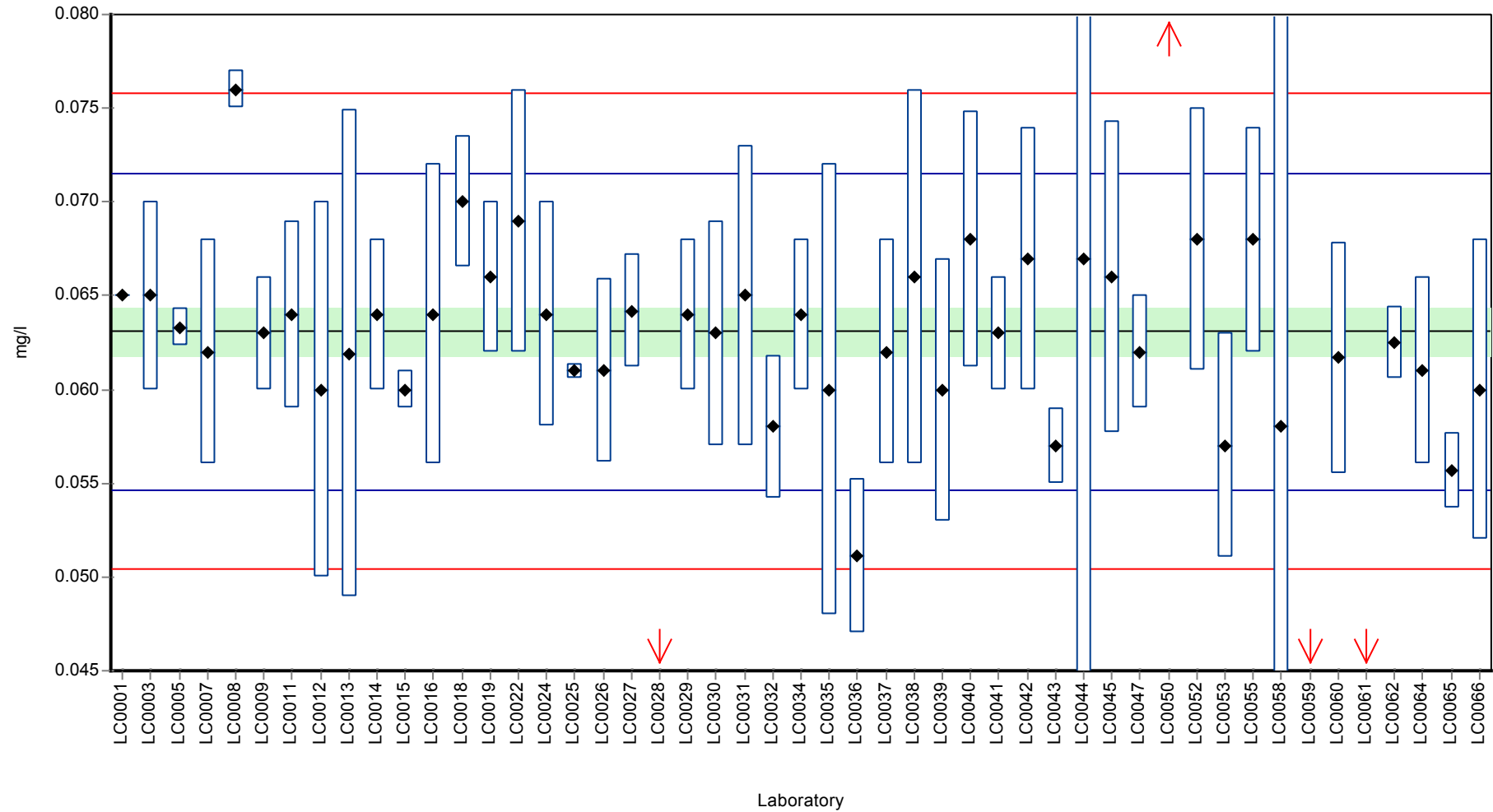
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.067	0.007	106	0.93	
LC0043	0.057	0.002	90.4	-1.44	
LC0044	0.067	0.07	106	0.93	
LC0045	0.066	0.0083	105	0.69	
LC0046	-	-	-	-	
LC0047	0.062	0.003	98.3	-0.25	
LC0048	-	-	-	-	
LC0049	-	-	-	-	
LC0050	0.103	0.004	163	9.44	H
LC0051	-	-	-	-	
LC0052	0.068	0.007	108	1.16	
LC0053	0.057	0.006	90.4	-1.44	
LC0054	< 0.1 (LOQ)	-	-	-	
LC0055	0.068	0.006	108	1.16	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	0.058	0.05	92	-1.2	
LC0059	0.033	0.004	52.3	-7.11	H
LC0060	0.06167	0.0062	97.8	-0.33	
LC0061	0.03	-	47.6	-7.82	H
LC0062	0.0625	0.0019	99.1	-0.14	
LC0063	-	-	-	-	
LC0064	0.061	0.005	96.7	-0.49	
LC0065	0.0557	0.002	88.3	-1.74	
LC0066	0.06	0.008	95.1	-0.73	
LC0067	-	-	-	-	

Characteristics of parameter

	all results	without outliers	Unit
Mean ± CI (99%)	0.0614 ± 0.00536	0.0631 ± 0.00189	mg/l
Minimum	0.006	0.0511	mg/l
Maximum	0.103	0.076	mg/l
Standard deviation	0.0125	0.00423	mg/l
rel. standard deviation	20.4	6.71	%
n	49	45	-

Graphical presentation of results

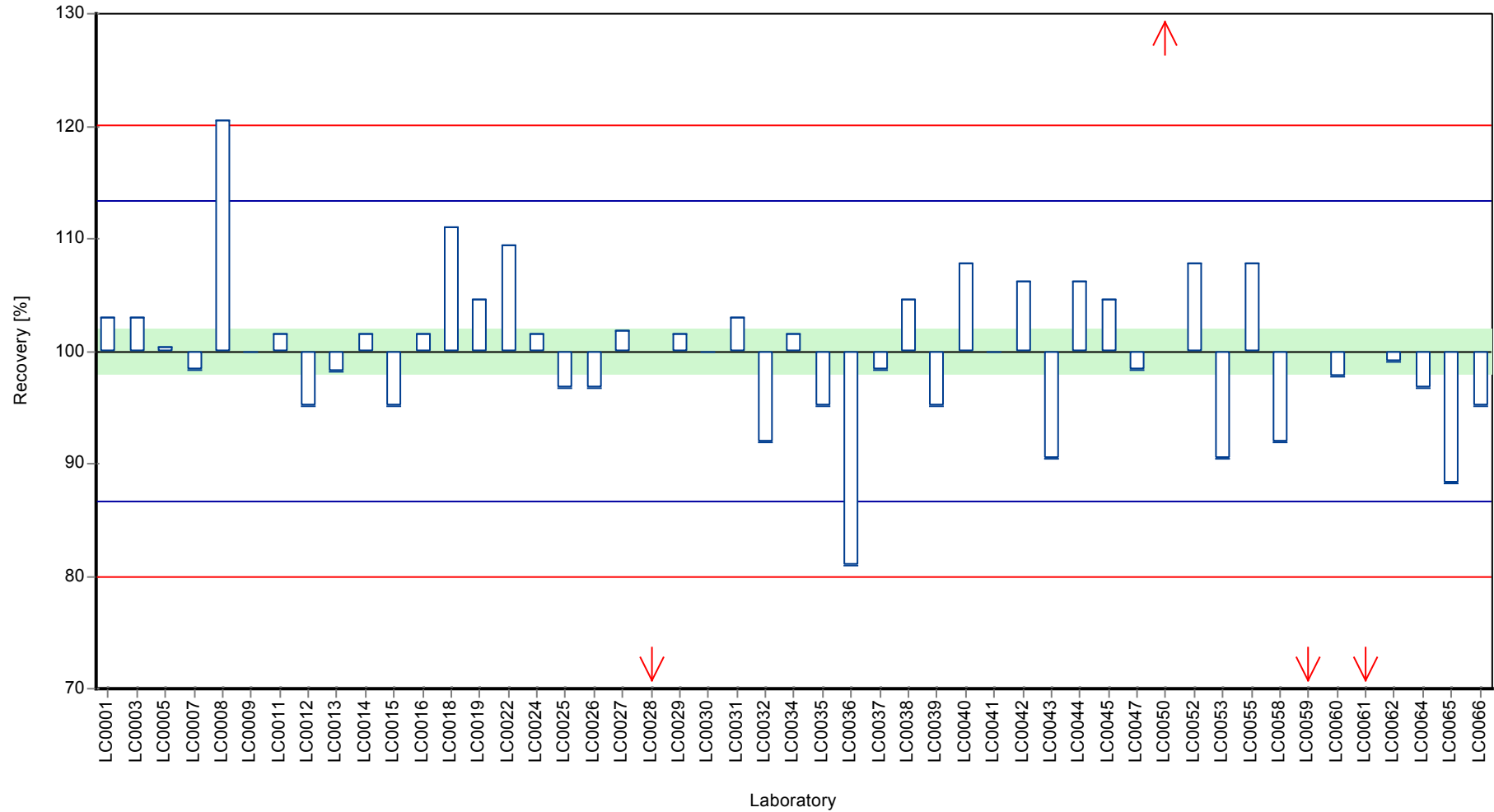
Results



Parameter oriented report Nutrients/Major Ions N145

Sample: N145B, Parameter: Nitrite (as NO₂)

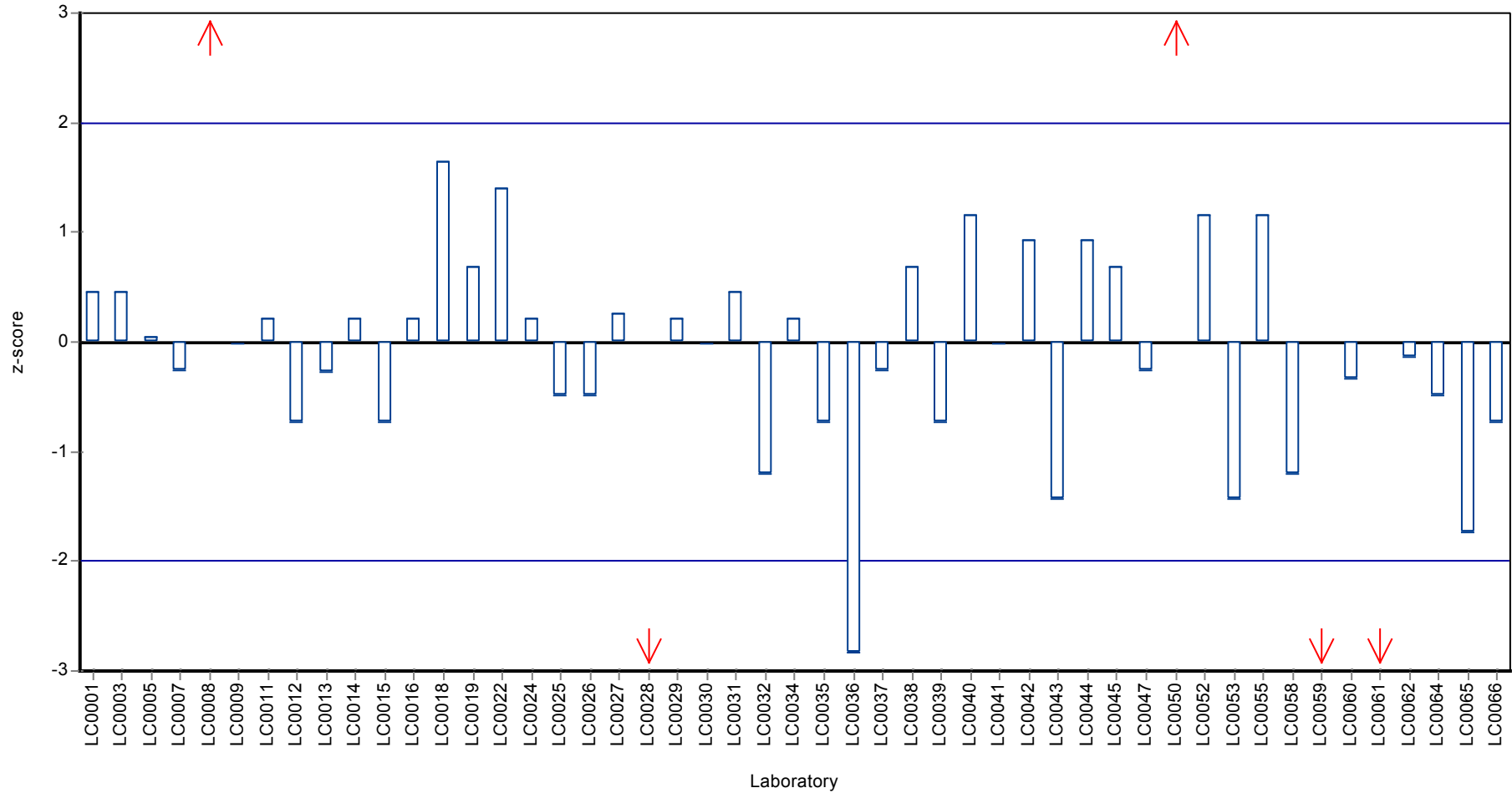
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145B, Parameter: Nitrite (as NO₂)

Z-score



Parameter oriented report

N145 A

Orthophosphate (as PO4)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.178 ± 0.0162	Assigned value ± U (k=2)	0.178 ± 0.00355
Minimum - Maximum	0.153 - 0.205	Criterion	0.0162 (9.1 %)
Control test value ± U	0.167 ± 0.0117	Minimum - Maximum	0.153 - 0.205
		Control test value ± U (k=2)	0.167 ± 0.0117

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.143	0.015	80.2	-2.18	H
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.1717	0.001	96.3	-0.41	
LC0006	-	-	-	-	
LC0007	0.184	0.018	103	0.35	
LC0008	0.192	0.01	108	0.84	
LC0009	0.163	0.0082	91.4	-0.94	
LC0010	-	-	-	-	
LC0011	0.182	0.03	102	0.23	
LC0012	-	-	-	-	
LC0013	0.377	0.03	211	12.2	H
LC0014	0.168	0.009	94.2	-0.64	
LC0015	0.181	0.03	101	0.16	
LC0016	0.18	0.022	101	0.1	
LC0017	-	-	-	-	
LC0018	0.172	0.0172	96.4	-0.39	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.178	0.018	99.8	-0.02	
LC0023	-	-	-	-	
LC0024	0.015	0.0015	8.4	-10.1	H
LC0025	0.053	0.004	29.7	-7.72	H
LC0026	0.16	0.0192	89.7	-1.13	
LC0027	0.205	0.01	115	1.64	
LC0028	0.177	3.5	99.3	-0.08	
LC0029	0.172	0.028	96.4	-0.39	
LC0030	0.179	0.017	100	0.04	
LC0031	0.248	0.053	139	4.29	H
LC0032	0.17	0.013	95.3	-0.51	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.182	0.009	102	0.23	
LC0037	0.184	0.013	103	0.35	
LC0038	0.177	0.027	99.3	-0.08	
LC0039	0.19	0.0258	107	0.72	
LC0040	0.188	0.0188	105	0.59	
LC0041	0.178	0.009	99.8	-0.02	

Parameter oriented report Nutrients/Major Ions N145 Sample: N145A, Parameter: Orthophosphate (as PO4)

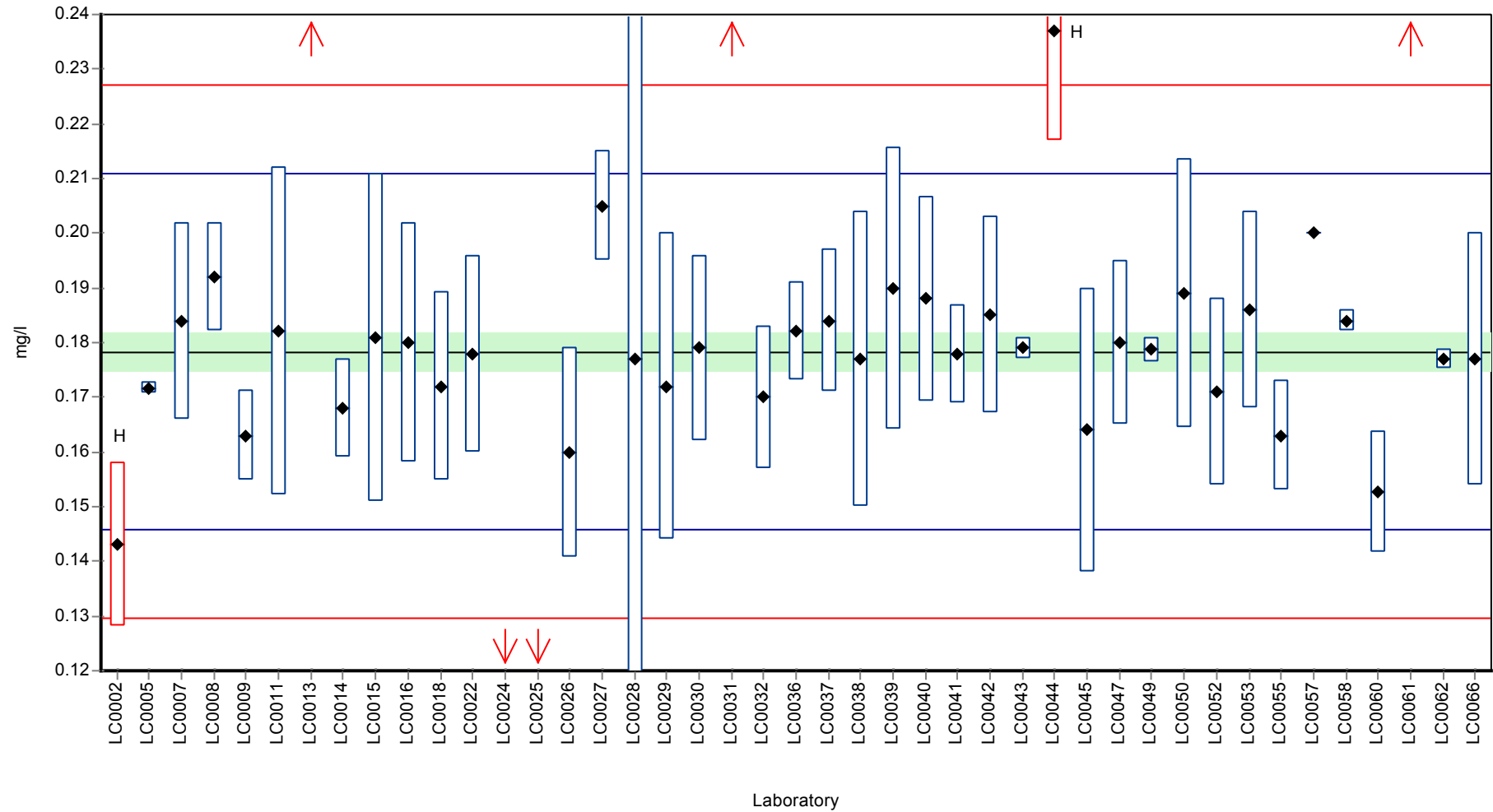
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.185	0.018	104	0.41	
LC0043	0.179	0.002	100	0.04	
LC0044	0.237	0.02	133	3.61	H
LC0045	0.164	0.0259	92	-0.88	
LC0046	-	-	-	-	
LC0047	0.18	0.015	101	0.1	
LC0048	-	-	-	-	
LC0049	0.1787	0.0023	100	0.02	
LC0050	0.189	0.0245	106	0.66	
LC0051	-	-	-	-	
LC0052	0.171	0.017	95.9	-0.45	
LC0053	0.186	0.018	104	0.47	
LC0054	< 0.1 (LOQ)	-	-	-	
LC0055	0.163	0.01	91.4	-0.94	
LC0056	-	-	-	-	
LC0057	0.2	-	112	1.33	
LC0058	0.184	0.002	103	0.35	
LC0059	< 1 (LOQ)	-	-	-	
LC0060	0.1527	0.011	85.6	-1.58	
LC0061	0.86	0.73	482	42	H
LC0062	0.177	0.0018	99.3	-0.08	
LC0063	-	-	-	-	
LC0064	-	-	-	-	
LC0065	-	-	-	-	
LC0066	0.177	0.023	99.3	-0.08	
LC0067	-	-	-	-	

Characteristics of parameter

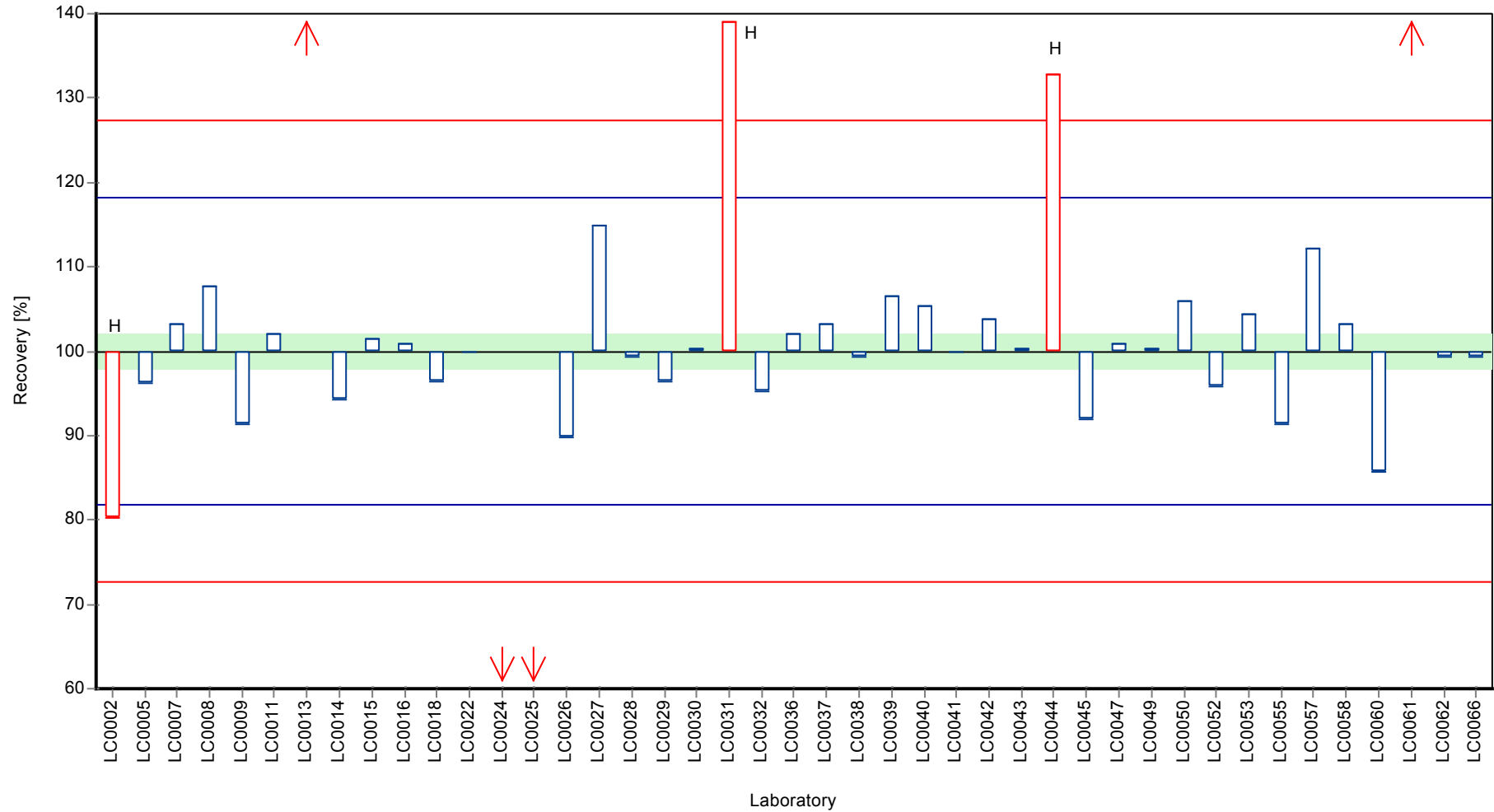
	all results	without outliers	Unit
Mean ± CI (99%)	0.194 ± 0.0523	0.178 ± 0.00533	mg/l
Minimum	0.015	0.153	mg/l
Maximum	0.86	0.205	mg/l
Standard deviation	0.114	0.0107	mg/l
rel. standard deviation	58.9	5.98	%
n	43	36	-

Graphical presentation of results

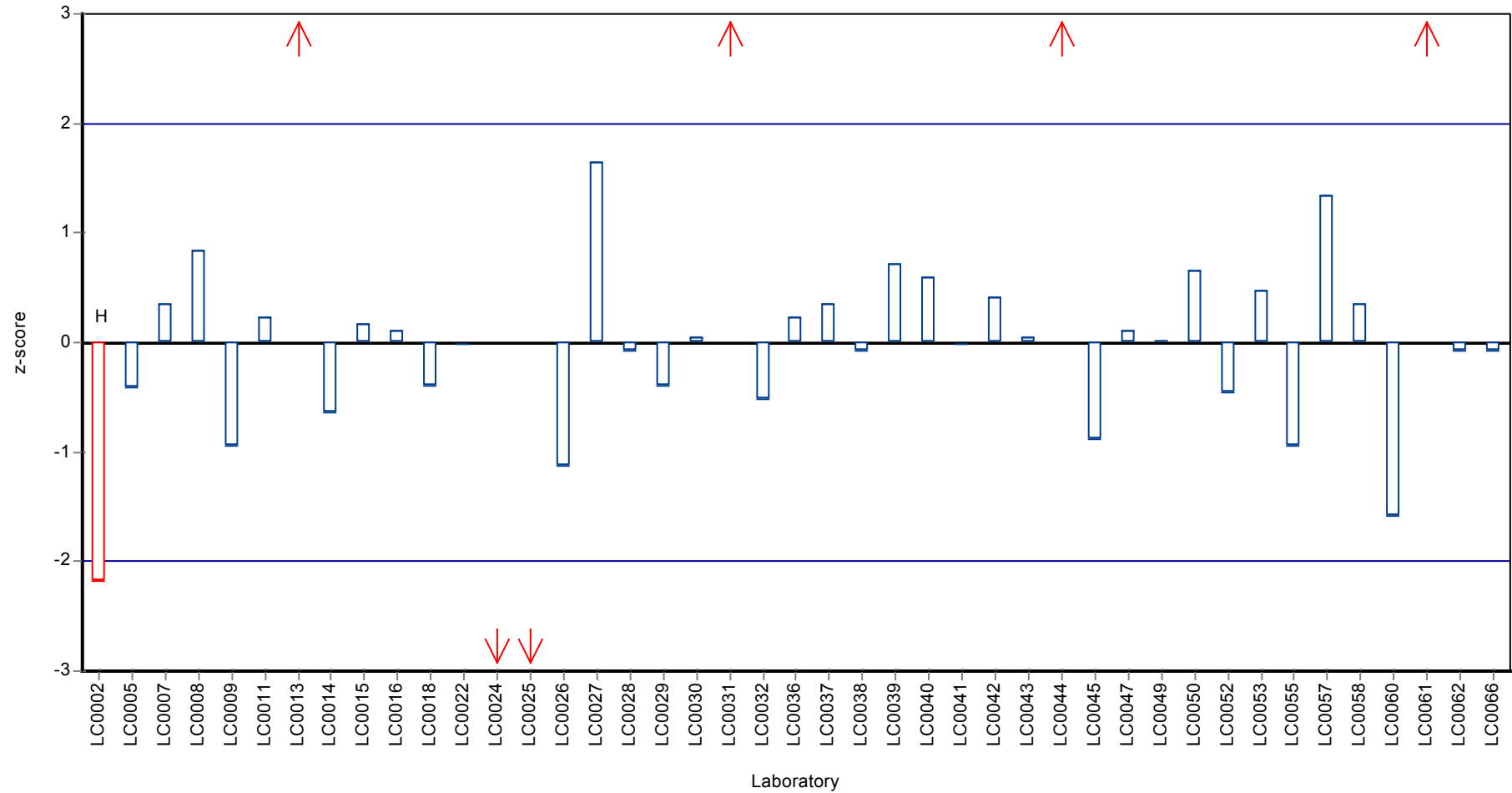
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Orthophosphate (as PO4)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	0.122 ± 0.0111	Assigned value ± U (k=2)	0.122 ± 0.00333
Minimum - Maximum	0.1 - 0.146	Criterion	0.0111 (9.1 %)
Control test value ± U	0.125 ± 0.00876	Minimum - Maximum	0.1 - 0.146
		Control test value ± U (k=2)	0.125 ± 0.00876

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	0.118	0.007	96.5	-0.39	
LC0003	-	-	-	-	
LC0004	-	-	-	-	
LC0005	0.122	0.0006	99.8	-0.03	
LC0006	-	-	-	-	
LC0007	0.129	0.013	105	0.6	
LC0008	0.143	0.01	117	1.86	
LC0009	0.109	0.0054	89.1	-1.19	
LC0010	-	-	-	-	
LC0011	0.127	0.02	104	0.42	
LC0012	-	-	-	-	
LC0013	0.342	0.027	280	19.7	H
LC0014	0.094	0.005	76.9	-2.54	H
LC0015	0.1	0.03	81.8	-2	
LC0016	0.114	0.014	93.2	-0.74	
LC0017	-	-	-	-	
LC0018	0.12	0.06	98.1	-0.21	
LC0019	-	-	-	-	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	0.129	0.013	105	0.6	
LC0023	-	-	-	-	
LC0024	0.013	0.0013	10.6	-9.82	H
LC0025	0.039	0.003	31.9	-7.48	H
LC0026	0.123	0.0148	101	0.06	
LC0027	0.146	0.007	119	2.13	
LC0028	0.112	3.5	91.6	-0.93	
LC0029	0.124	0.02	101	0.15	
LC0030	0.128	0.013	105	0.51	
LC0031	0.16	0.014	131	3.39	H
LC0032	0.11	0.0084	89.9	-1.1	
LC0033	-	-	-	-	
LC0034	-	-	-	-	
LC0035	-	-	-	-	
LC0036	0.119	0.006	97.3	-0.3	
LC0037	0.129	0.009	105	0.6	
LC0038	0.123	0.018	101	0.06	
LC0039	0.12	0.016	98.1	-0.21	
LC0040	0.123	0.0123	101	0.06	
LC0041	0.125	0.006	102	0.24	

Parameter oriented report Nutrients/Major Ions N145 Sample: N145B, Parameter: Orthophosphate (as PO4)

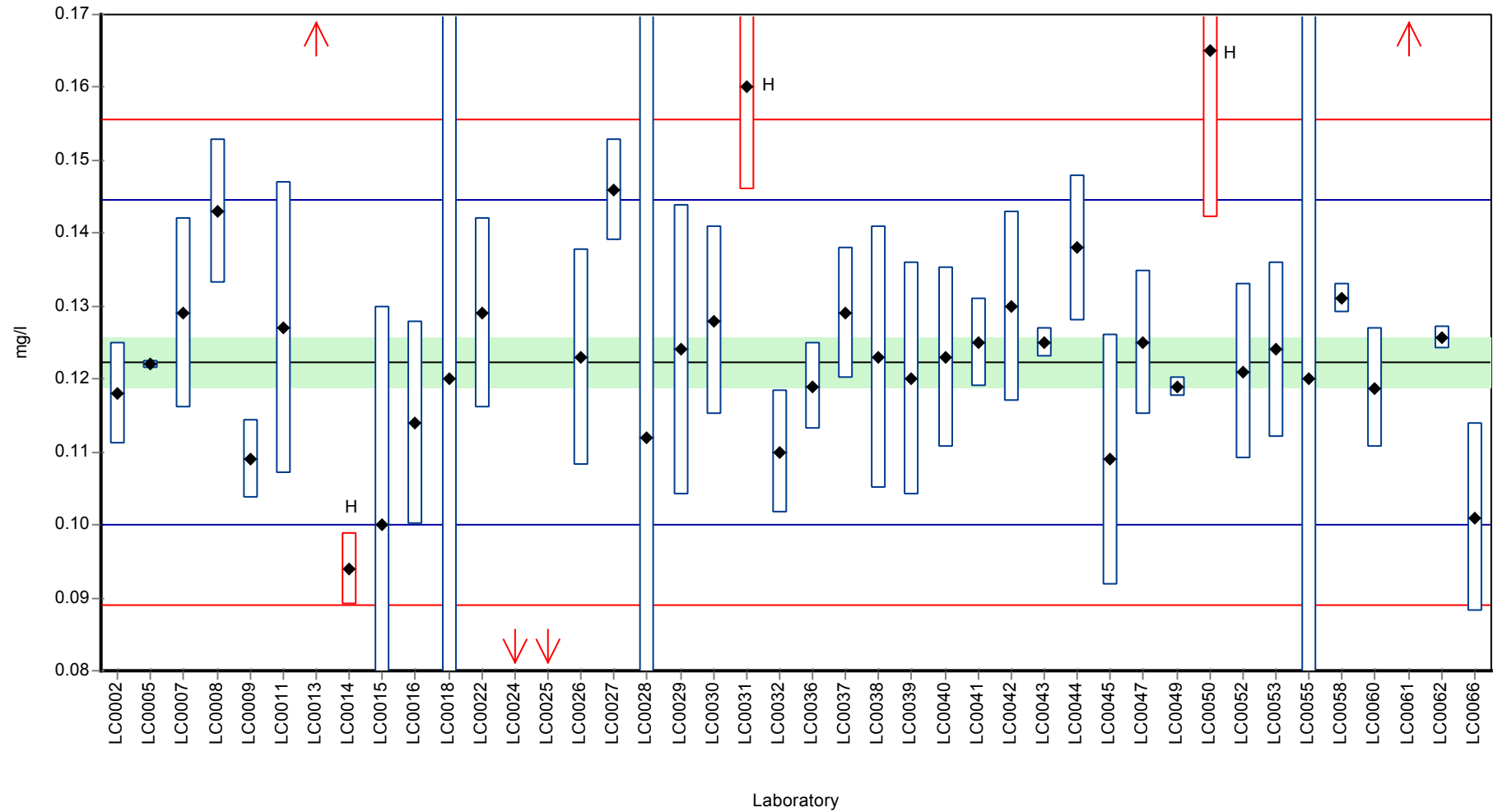
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	0.13	0.013	106	0.69	
LC0043	0.125	0.002	102	0.24	
LC0044	0.138	0.01	113	1.41	
LC0045	0.109	0.0172	89.1	-1.19	
LC0046	-	-	-	-	
LC0047	0.125	0.01	102	0.24	
LC0048	-	-	-	-	
LC0049	0.1189	0.0013	97.2	-0.3	
LC0050	0.165	0.023	135	3.84	H
LC0051	-	-	-	-	
LC0052	0.121	0.012	98.9	-0.12	
LC0053	0.124	0.012	101	0.15	
LC0054	< 0.1 (LOQ)	-	-	-	
LC0055	0.12	0.12	98.1	-0.21	
LC0056	-	-	-	-	
LC0057	< 0.2 (LOQ)	-	-	-	
LC0058	0.131	0.002	107	0.78	
LC0059	< 1 (LOQ)	-	-	-	
LC0060	0.1188	0.0082	97.1	-0.31	
LC0061	0.33	0.02	270	18.7	H
LC0062	0.1257	0.0016	103	0.31	
LC0063	-	-	-	-	
LC0064	-	-	-	-	
LC0065	-	-	-	-	
LC0066	0.101	0.013	82.6	-1.91	
LC0067	-	-	-	-	

Characteristics of parameter

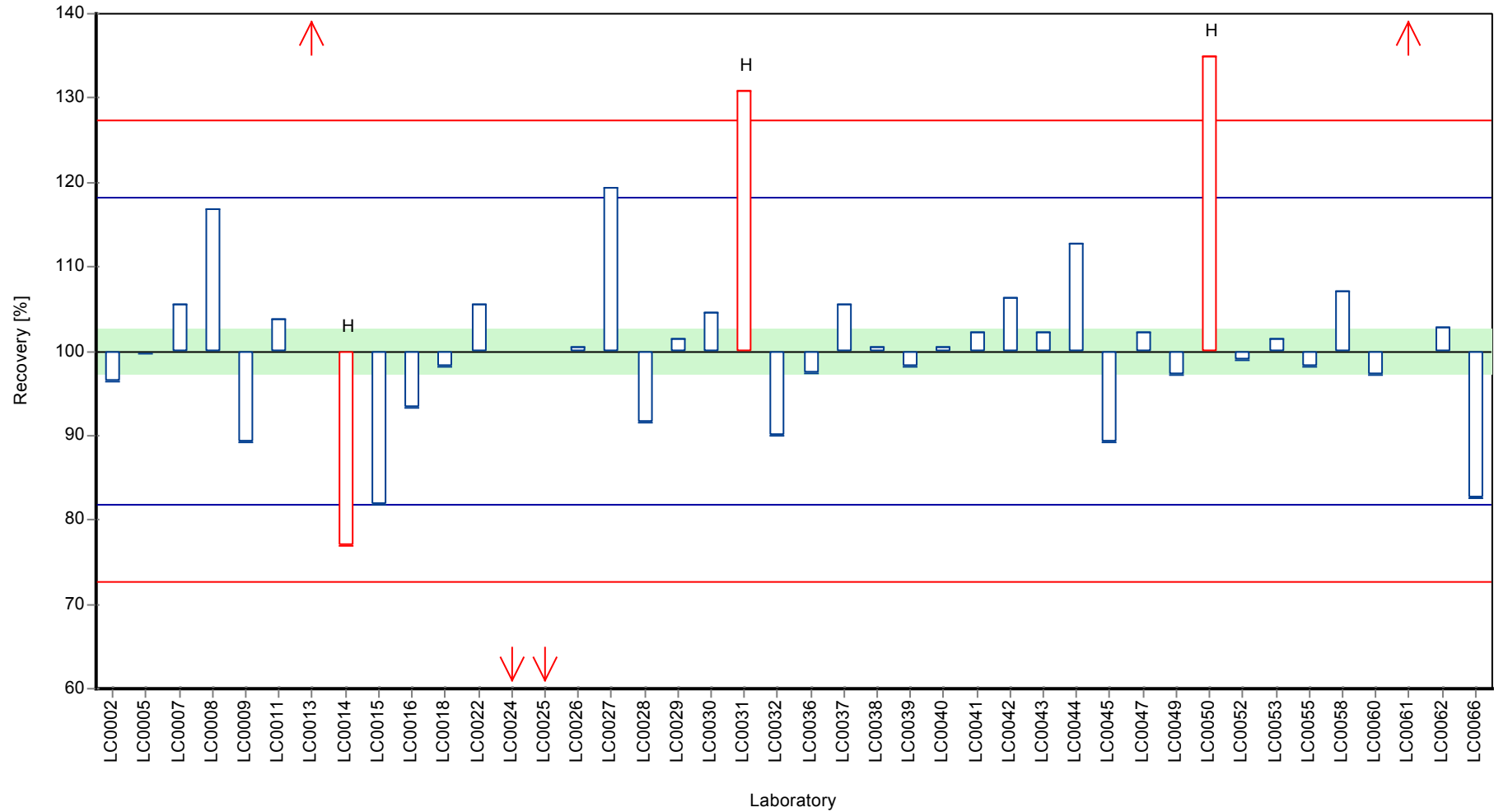
	all results	without outliers	Unit
Mean ± CI (99%)	0.129 ± 0.0246	0.122 ± 0.005	mg/l
Minimum	0.013	0.1	mg/l
Maximum	0.342	0.146	mg/l
Standard deviation	0.0531	0.00986	mg/l
rel. standard deviation	41.1	8.06	%
n	42	35	-

Graphical presentation of results

Results



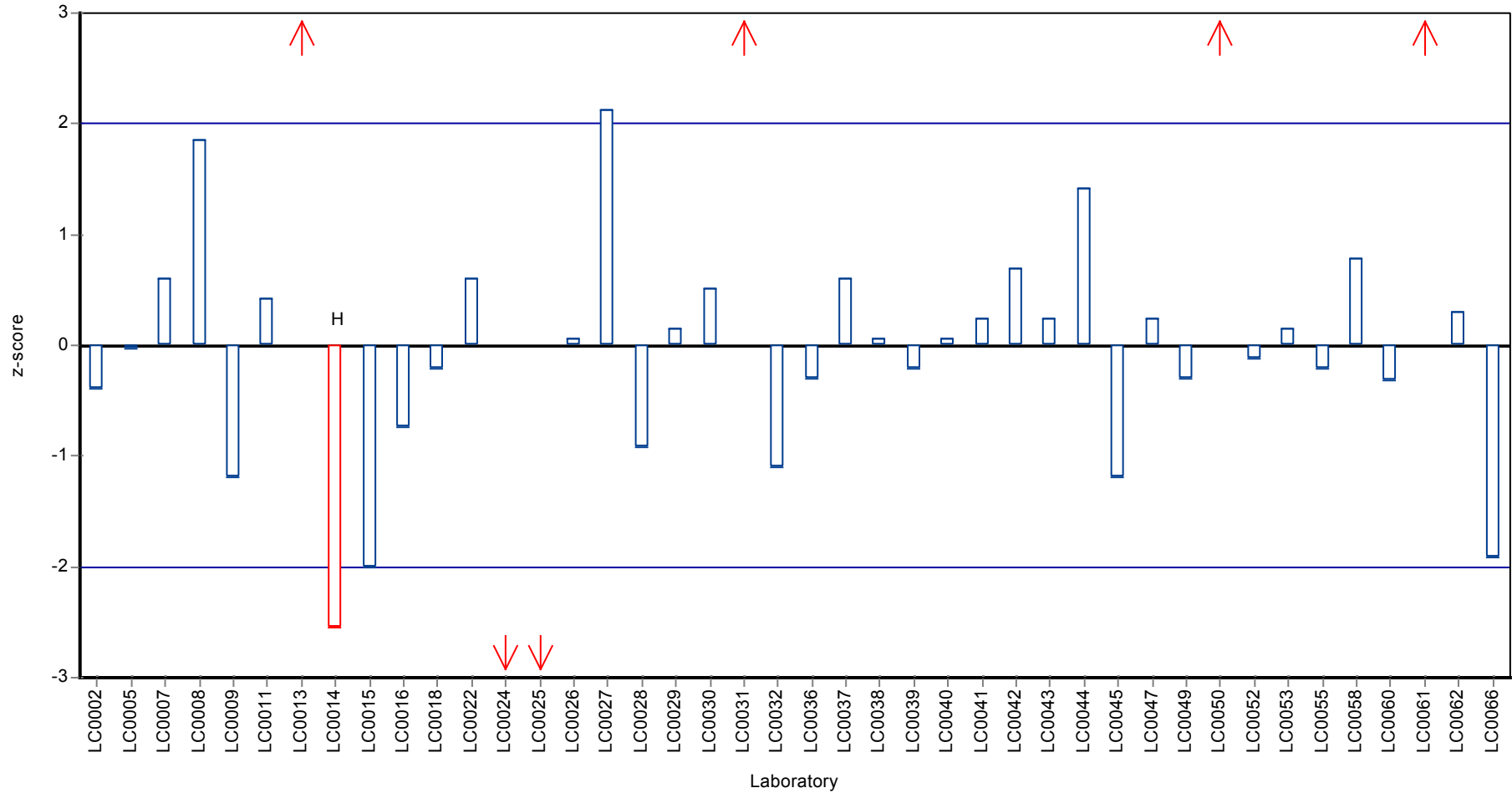
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145B, Parameter: Orthophosphate (as PO₄)

Z-score



Parameter oriented report

N145 A

pH-value

Unit	-	Unit	-
Assigned value ± U (k=2)	7.85 ± 0.126	Assigned value ± U (k=2)	7.85 ± 0.0288
Minimum - Maximum	7.6 - 8.08	Criterion	0.126 (1.6 %)
Control test value ± U	7.66 ± 0.384	Minimum - Maximum	7.6 - 8.08
		Control test value ± U (k=2)	7.66 ± 0.384

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	7.81	0.14	99.5	-0.3	
LC0002	-	-	-	-	
LC0003	7.86	0.17	100	0.1	
LC0004	7.98	0.2	102	1.05	
LC0005	7.91	0.012	101	0.5	
LC0006	7.9	0.2	101	0.42	
LC0007	7.8	0.1	99.4	-0.38	
LC0008	7.75	0.09	98.8	-0.78	
LC0009	7.64	0.23	97.4	-1.65	
LC0010	-	-	-	-	
LC0011	7.9	0.4	101	0.42	
LC0012	7.8	0.1	99.4	-0.38	
LC0013	7.74	0.232	98.6	-0.86	
LC0014	7.84	0.05	99.9	-0.06	
LC0015	7.88	0.09	100	0.26	
LC0016	7.8	0.3	99.4	-0.38	
LC0017	7.84	0.2	99.9	-0.06	
LC0018	8	0.1	102	1.21	
LC0019	7.79	0.13	99.3	-0.46	
LC0020	8	0.3	102	1.21	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	7.89	0.16	101	0.34	
LC0025	7.82	0.04	99.6	-0.22	
LC0026	7.3	0.44	93	-4.36	H
LC0027	7.9	0.1	101	0.42	
LC0028	7.78	1.5	99.1	-0.54	
LC0029	7.54	0.14	96.1	-2.45	H
LC0030	7.77	0.1	99	-0.62	
LC0031	7.853	0.138	100	0.04	
LC0032	7.75	0.12	98.8	-0.78	
LC0033	7.86	0.2	100	0.1	
LC0034	7.88	0.32	100	0.26	
LC0035	7.78	0.1	99.1	-0.54	
LC0036	7.84	0.47	99.9	-0.06	
LC0037	7.8	0.16	99.4	-0.38	
LC0038	7.95	0.24	101	0.81	
LC0039	7.78	0.23	99.1	-0.54	
LC0040	8	0.8	102	1.21	
LC0041	-	-	-	-	

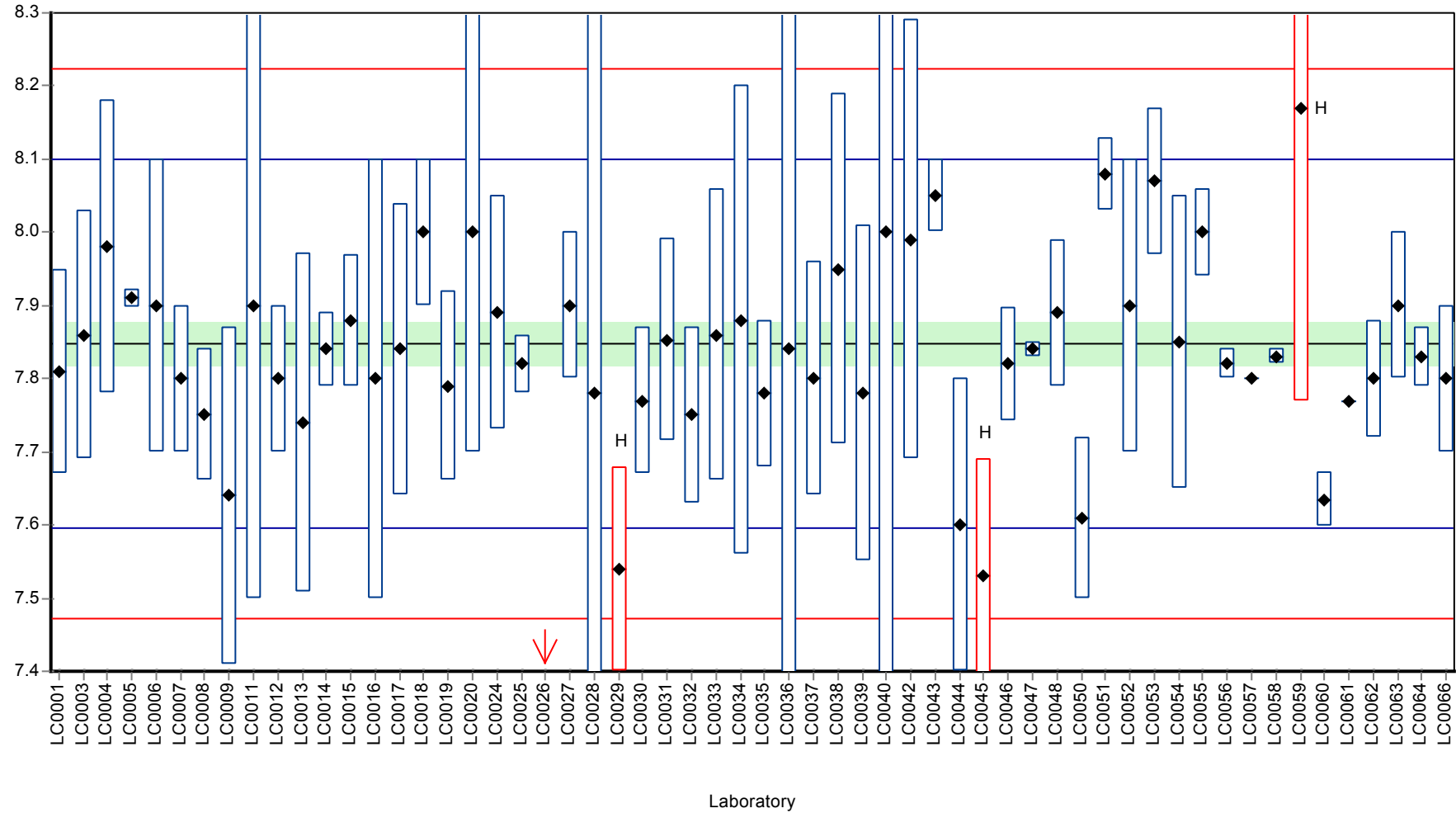
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	7.99	0.3	102	1.13	
LC0043	8.05	0.05	103	1.61	
LC0044	7.6	0.2	96.8	-1.97	
LC0045	7.53	0.16	96	-2.53	H
LC0046	7.82	0.078	99.6	-0.22	
LC0047	7.84	0.011	99.9	-0.06	
LC0048	7.89	0.1	101	0.34	
LC0049	-	-	-	-	
LC0050	7.61	0.11	97	-1.89	
LC0051	8.08	0.05	103	1.85	
LC0052	7.9	0.2	101	0.42	
LC0053	8.07	0.1	103	1.77	
LC0054	7.85	0.2	100	0.02	
LC0055	8	0.06	102	1.21	
LC0056	7.82	0.02	99.6	-0.22	
LC0057	7.8	-	99.4	-0.38	
LC0058	7.83	0.01	99.8	-0.14	
LC0059	8.17	0.4	104	2.57	H
LC0060	7.635	0.038	97.3	-1.69	
LC0061	7.77	-	99	-0.62	
LC0062	7.8	0.08	99.4	-0.38	
LC0063	7.9	0.1	101	0.42	
LC0064	7.83	0.04	99.8	-0.14	
LC0065	-	-	-	-	
LC0066	7.8	0.1	99.4	-0.38	
LC0067	-	-	-	-	

Characteristics of parameter

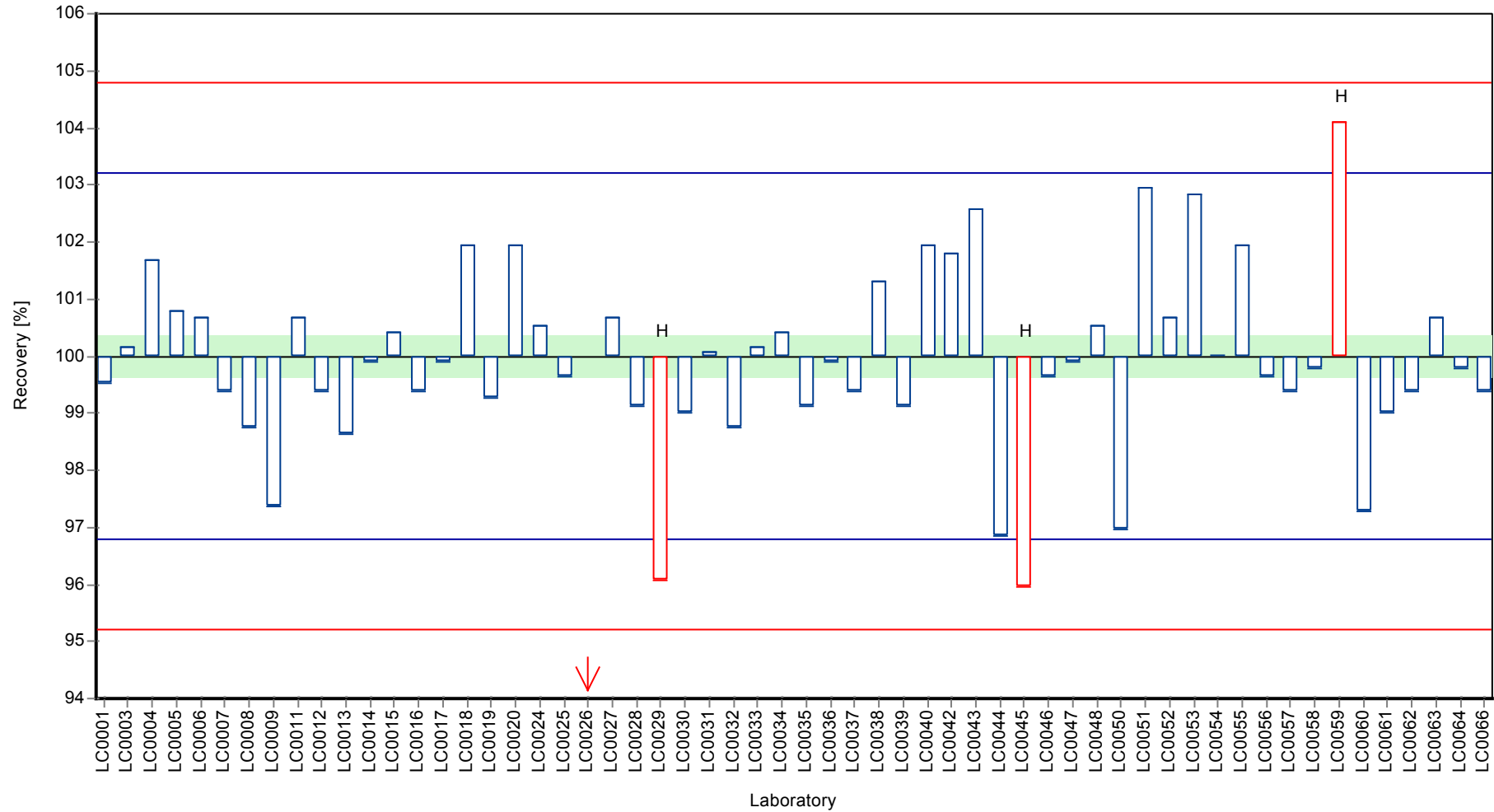
	all results	without outliers	Unit
Mean ± CI (99%)	7.83 ± 0.0567	7.85 ± 0.0433	-
Minimum	7.3	7.6	-
Maximum	8.17	8.08	-
Standard deviation	0.144	0.106	-
rel. standard deviation	1.84	1.35 %	
n	58	54	-

Graphical presentation of results

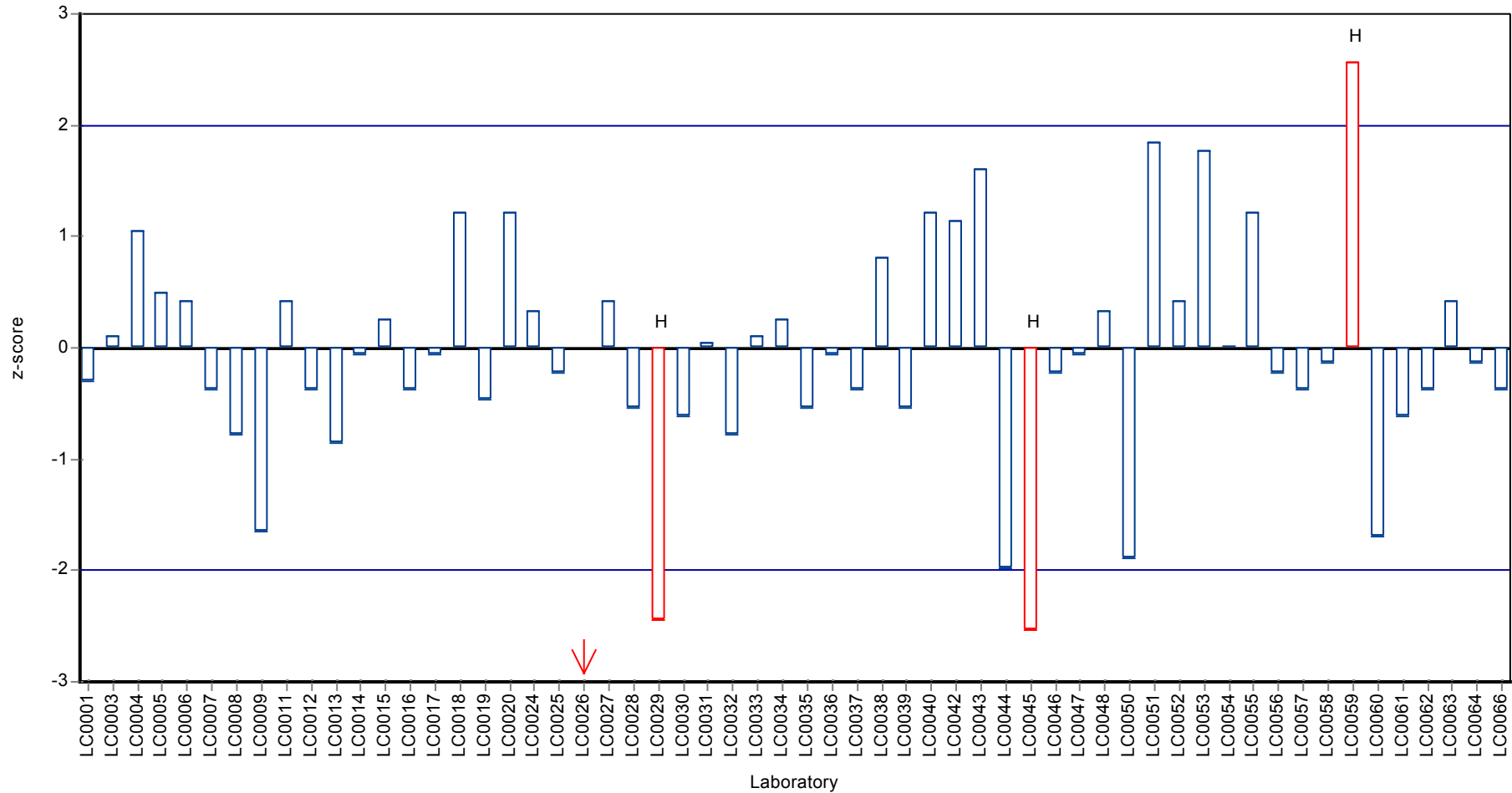
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

pH-value

Unit	-
Assigned value ± U (k=2)	8.13 ± 0.13
Minimum - Maximum	7.89 - 8.27
Control test value ± U	8 ± 0.257

pH-Wert

Unit	-
Assigned value ± U (k=2)	8.13 ± 0.0204
Criterion	0.13 (1.6 %)
Minimum - Maximum	7.89 - 8.27
Control test value ± U (k=2)	8 ± 0.257

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	8.08	0.14	99.4	-0.35	
LC0002	-	-	-	-	
LC0003	8.22	0.17	101	0.72	
LC0004	8.18	0.2	101	0.42	
LC0005	8.15	0.006	100	0.19	
LC0006	8.2	0.2	101	0.57	
LC0007	8.1	0.1	99.7	-0.2	
LC0008	8.09	0.09	99.6	-0.28	
LC0009	8.06	0.4	99.2	-0.51	
LC0010	-	-	-	-	
LC0011	8.1	0.4	99.7	-0.2	
LC0012	8.2	0.1	101	0.57	
LC0013	8.05	0.242	99.1	-0.58	
LC0014	8.03	0.05	98.8	-0.74	
LC0015	8.14	0.1	100	0.11	
LC0016	8.1	0.3	99.7	-0.2	
LC0017	8.17	0.2	101	0.34	
LC0018	8.2	0.1	101	0.57	
LC0019	8.11	0.11	99.8	-0.12	
LC0020	8.2	0.3	101	0.57	
LC0021	-	-	-	-	
LC0022	-	-	-	-	
LC0023	-	-	-	-	
LC0024	8.08	0.16	99.4	-0.35	
LC0025	8.04	0.04	98.9	-0.66	
LC0026	7.8	0.47	96	-2.51	H
LC0027	8.12	0.1	99.9	-0.04	
LC0028	8.08	1.5	99.4	-0.35	
LC0029	8.08	0.15	99.4	-0.35	
LC0030	8.15	0.1	100	0.19	
LC0031	8.175	0.078	101	0.38	
LC0032	8.06	0.12	99.2	-0.51	
LC0033	8.14	0.2	100	0.11	
LC0034	8.2	0.33	101	0.57	
LC0035	8.12	0.1	99.9	-0.04	
LC0036	8.13	0.488	100	0.03	
LC0037	8	0.16	98.5	-0.97	
LC0038	8.26	0.25	102	1.03	
LC0039	8.1	0.24	99.7	-0.2	
LC0040	8.2	0.82	101	0.57	
LC0041	-	-	-	-	

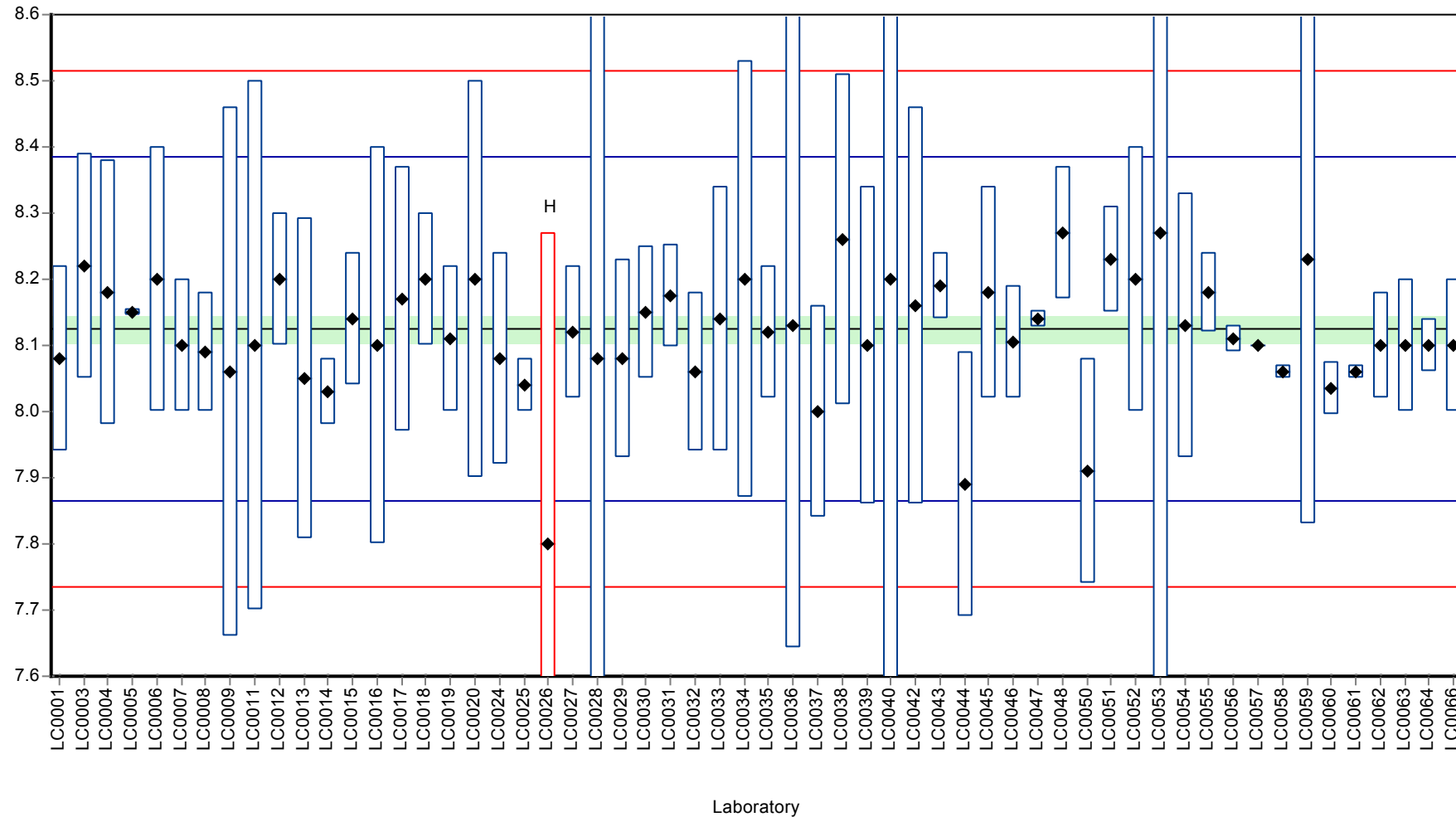
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	8.16	0.3	100	0.26	
LC0043	8.19	0.05	101	0.49	
LC0044	7.89	0.2	97.1	-1.81	
LC0045	8.18	0.16	101	0.42	
LC0046	8.105	0.086	99.7	-0.16	
LC0047	8.14	0.012	100	0.11	
LC0048	8.27	0.1	102	1.11	
LC0049	-	-	-	-	
LC0050	7.91	0.17	97.3	-1.66	
LC0051	8.23	0.08	101	0.8	
LC0052	8.2	0.2	101	0.57	
LC0053	8.27	0.83	102	1.11	
LC0054	8.13	0.2	100	0.03	
LC0055	8.18	0.06	101	0.42	
LC0056	8.11	0.02	99.8	-0.12	
LC0057	8.1	-	99.7	-0.2	
LC0058	8.06	0.01	99.2	-0.51	
LC0059	8.23	0.4	101	0.8	
LC0060	8.036	0.04	98.9	-0.69	
LC0061	8.06	0.01	99.2	-0.51	
LC0062	8.1	0.08	99.7	-0.2	
LC0063	8.1	0.1	99.7	-0.2	
LC0064	8.1	0.04	99.7	-0.2	
LC0065	-	-	-	-	
LC0066	8.1	0.1	99.7	-0.2	
LC0067	-	-	-	-	

Characteristics of parameter

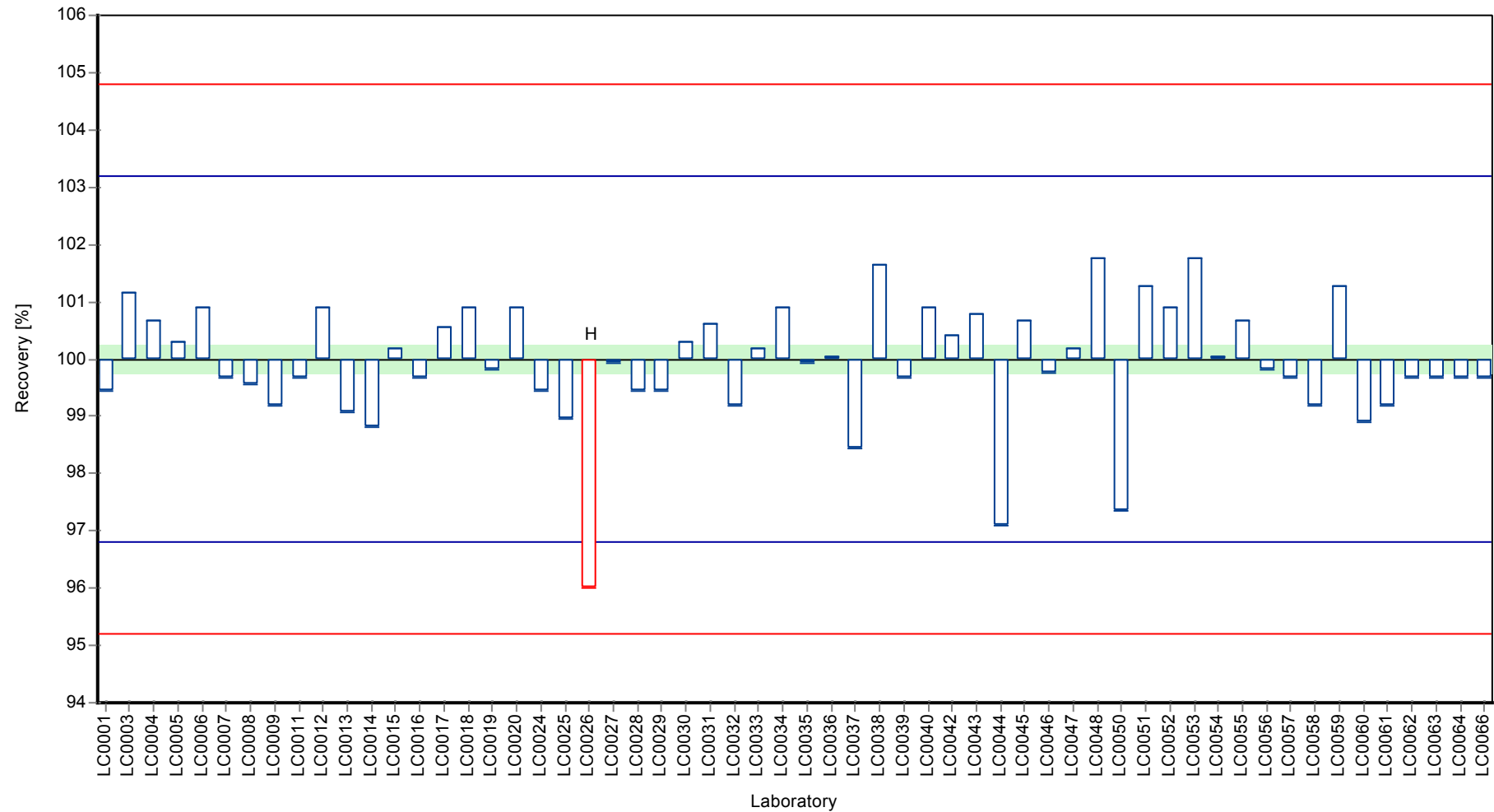
	all results	without outliers	Unit
Mean ± CI (99%)	8.12 ± 0.0344	8.13 ± 0.0306	-
Minimum	7.8	7.89	-
Maximum	8.27	8.27	-
Standard deviation	0.0874	0.0769	-
rel. standard deviation	1.08	0.947	%
n	58	57	-

Graphical presentation of results

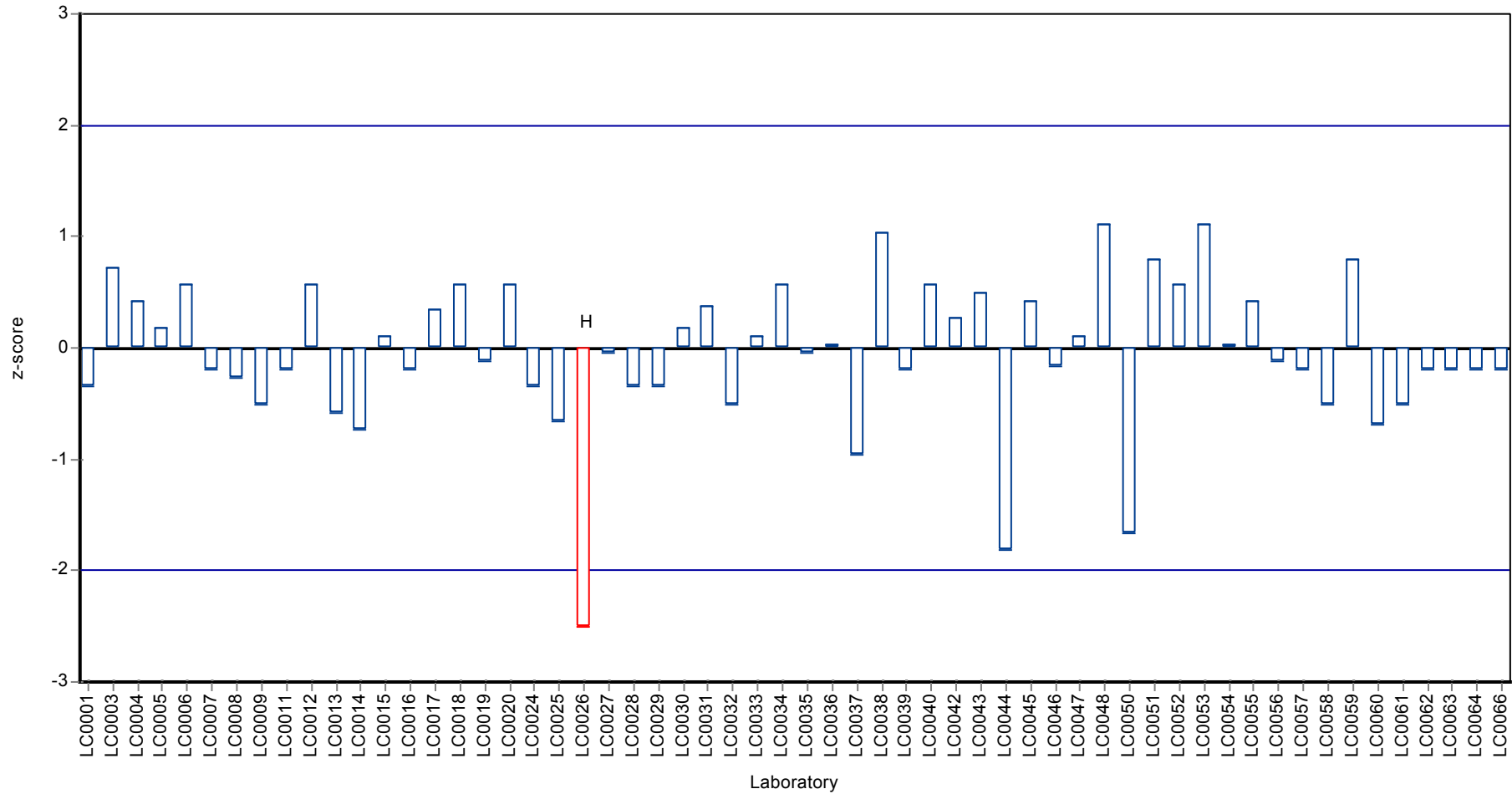
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Sulfate (as SO₄)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	57.1 ± 1.89	Assigned value ± U (k=2)	57.1 ± 0.539
Minimum - Maximum	53.8 - 61.7	Criterion	1.89 (3.3 %)
Control test value ± U	55.4 ± 2.77	Minimum - Maximum	53.8 - 61.7
		Control test value ± U (k=2)	55.4 ± 2.77

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	57.85	6	101	0.38	
LC0004	-	-	-	-	
LC0005	60.43	1.413	106	1.75	
LC0006	-	-	-	-	
LC0007	54.8	5.4	95.9	-1.24	
LC0008	57.14	0.559	100	0.01	
LC0009	58.09	2.9	102	0.51	
LC0010	-	-	-	-	
LC0011	56.5	4	98.9	-0.33	
LC0012	57	3	99.8	-0.07	
LC0013	57.1	2.86	99.9	-0.02	
LC0014	56.4	3.66	98.7	-0.39	
LC0015	53.78	3	94.1	-1.78	
LC0016	57.1	5.3	99.9	-0.02	
LC0017	-	-	-	-	
LC0018	55	2.75	96.3	-1.13	
LC0019	56.9	6.83	99.6	-0.12	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	55.6	8.3	97.3	-0.81	
LC0023	-	-	-	-	
LC0024	59.2	4.36	104	1.1	
LC0025	55.4	3	97	-0.92	
LC0026	55.85	3.351	97.8	-0.68	
LC0027	56.1	2.81	98.2	-0.55	
LC0028	56.9	2.6	99.6	-0.12	
LC0029	56.3	3.9	98.5	-0.44	
LC0030	59.98	5.9	105	1.51	
LC0031	61.7	1.414	108	2.42	
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	54.4	2.72	95.2	-1.45	
LC0035	56	6	98	-0.6	
LC0036	57.11	1.713	100	-0.01	
LC0037	50.8	6.1	88.9	-3.36	H
LC0038	58.19	8.7	102	0.56	
LC0039	56.22	7.123	98.4	-0.48	
LC0040	59.5	5.35	104	1.26	
LC0041	57.4	5.7	100	0.14	

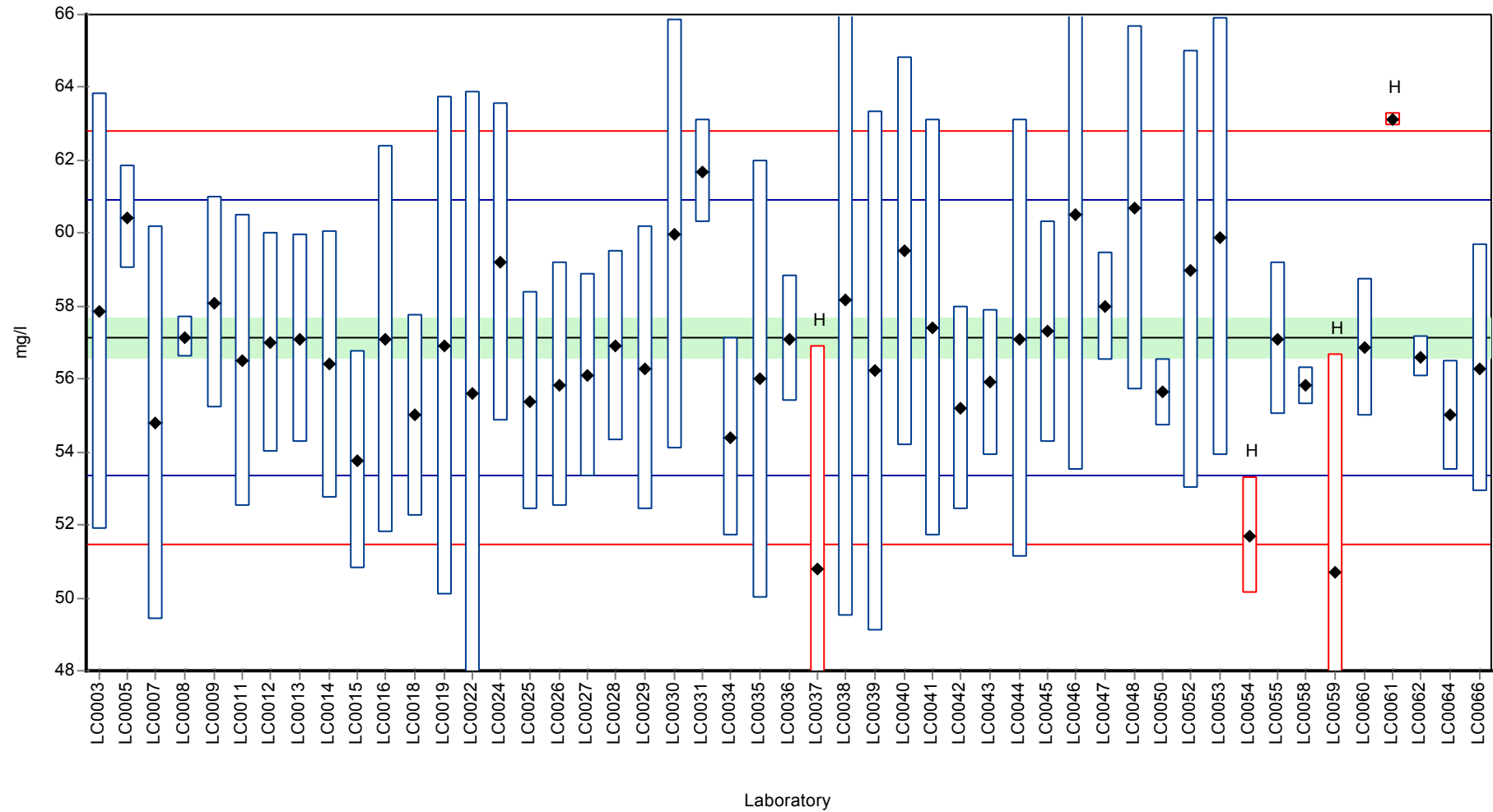
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	55.2	2.8	96.6	-1.02	
LC0043	55.9	2	97.8	-0.65	
LC0044	57.1	6	99.9	-0.02	
LC0045	57.3	3.04	100	0.09	
LC0046	60.5	7.02	106	1.79	
LC0047	58	1.48	102	0.46	
LC0048	60.7	5	106	1.89	
LC0049	-	-	-	-	
LC0050	55.63	0.93	97.4	-0.8	
LC0051	-	-	-	-	
LC0052	59	6	103	0.99	
LC0053	59.9	6	105	1.47	
LC0054	51.7	1.6	90.5	-2.88	H
LC0055	57.11	2.1	100	-0.01	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	55.81	0.5	97.7	-0.7	
LC0059	50.7	6	88.7	-3.41	H
LC0060	56.86	1.88	99.5	-0.14	
LC0061	63.12	0.18	110	3.18	H
LC0062	56.6	0.56	99.1	-0.28	
LC0063	-	-	-	-	
LC0064	55	1.5	96.3	-1.13	
LC0065	-	-	-	-	
LC0066	56.3	3.4	98.5	-0.44	
LC0067	-	-	-	-	

Characteristics of parameter

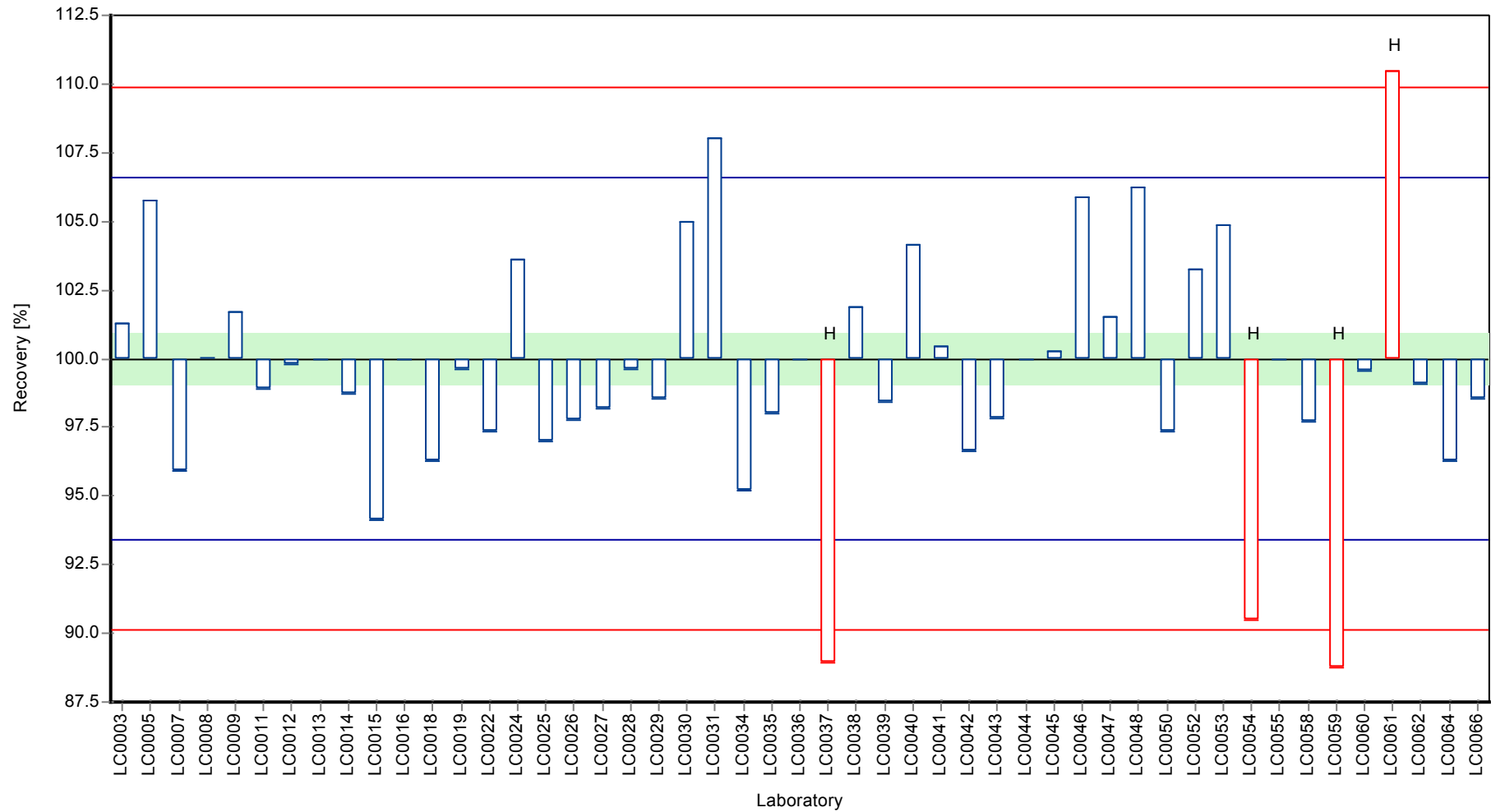
	all results	without outliers	Unit
Mean ± CI (99%)	56.9 ± 1.05	57.1 ± 0.809	mg/l
Minimum	50.7	53.8	mg/l
Maximum	63.1	61.7	mg/l
Standard deviation	2.45	1.81	mg/l
rel. standard deviation	4.3	3.16	%
n	49	45	-

Graphical presentation of results

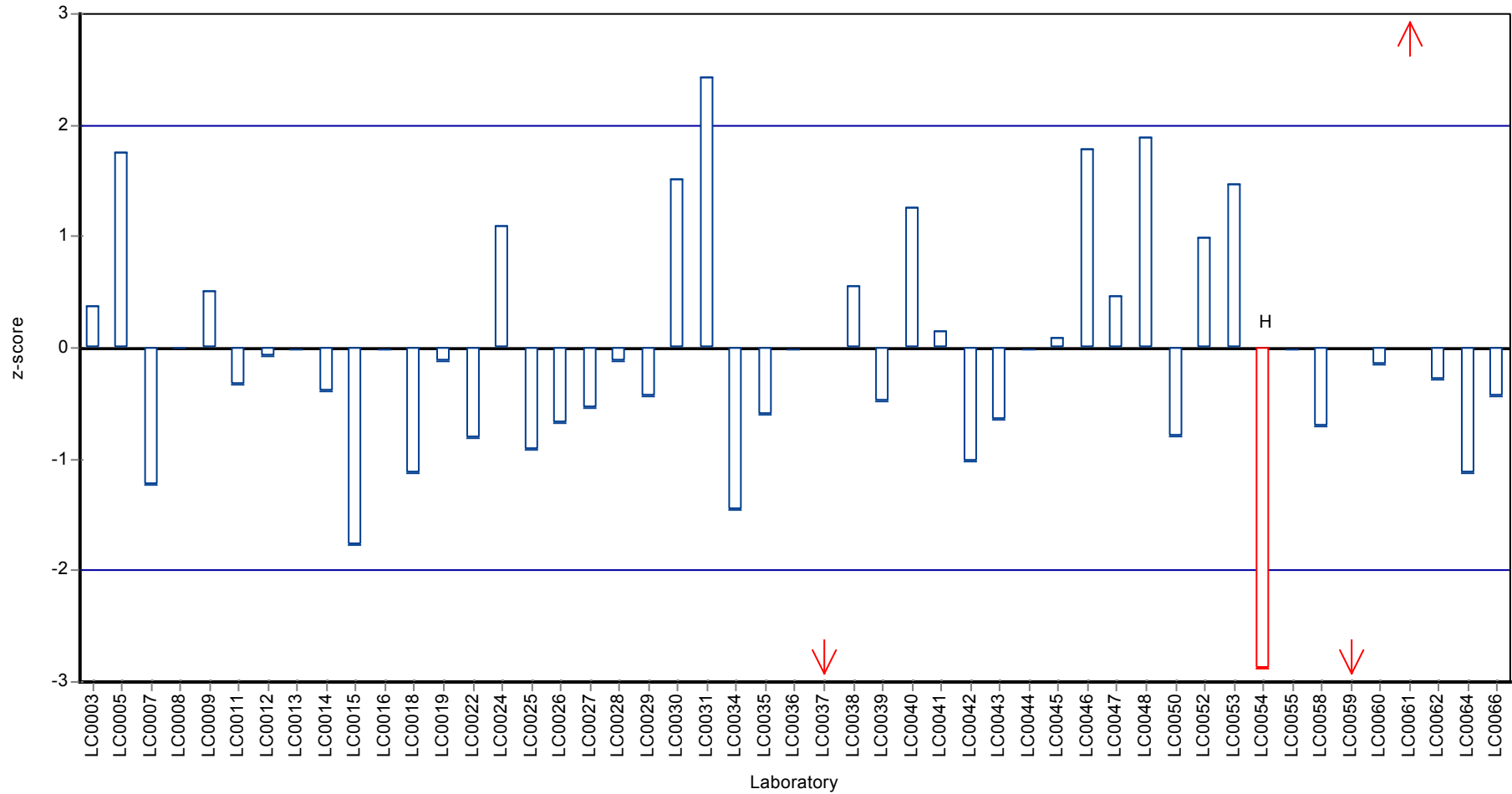
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Sulfate (as SO₄)

Unit	mg/l	Unit	mg/l
Assigned value ± U (k=2)	30.8 ± 1.02	Assigned value ± U (k=2)	30.8 ± 0.261
Minimum - Maximum	28.9 - 32.9	Criterion	1.02 (3.3 %)
Control test value ± U	29.3 ± 1.47	Minimum - Maximum	28.9 - 32.9
		Control test value ± U (k=2)	29.3 ± 1.47

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	-	-	-	-	
LC0002	-	-	-	-	
LC0003	32.23	3.3	105	1.43	
LC0004	-	-	-	-	
LC0005	31.56	0.45	103	0.77	
LC0006	-	-	-	-	
LC0007	29.6	2.9	96.2	-1.16	
LC0008	31.1	0.09	101	0.32	
LC0009	31.06	1.55	101	0.28	
LC0010	-	-	-	-	
LC0011	30.7	2	99.7	-0.08	
LC0012	31	2	101	0.22	
LC0013	30.7	1.54	99.7	-0.08	
LC0014	30.4	1.96	98.8	-0.37	
LC0015	28.9	1.6	93.9	-1.85	
LC0016	31.1	3	101	0.32	
LC0017	-	-	-	-	
LC0018	30.1	1.5	97.8	-0.67	
LC0019	30.7	3.68	99.7	-0.08	
LC0020	-	-	-	-	
LC0021	-	-	-	-	
LC0022	30.6	4.6	99.4	-0.17	
LC0023	-	-	-	-	
LC0024	31.6	2.33	103	0.81	
LC0025	30.3	2	98.4	-0.47	
LC0026	30.55	1.833	99.3	-0.22	
LC0027	30.5	1.52	99.1	-0.27	
LC0028	31.9	2.6	104	1.1	
LC0029	30.4	1.8	98.8	-0.37	
LC0030	32.27	3.2	105	1.47	
LC0031	35.575	2.086	116	4.72	H
LC0032	-	-	-	-	
LC0033	-	-	-	-	
LC0034	29.3	1.46	95.2	-1.45	
LC0035	30	3	97.5	-0.77	
LC0036	31.14	0.934	101	0.36	
LC0037	27.7	0.6	90	-3.03	H
LC0038	30.59	4.6	99.4	-0.18	
LC0039	30.49	3.863	99.1	-0.28	
LC0040	32.8	2.95	107	1.99	
LC0041	31.4	3.1	102	0.61	

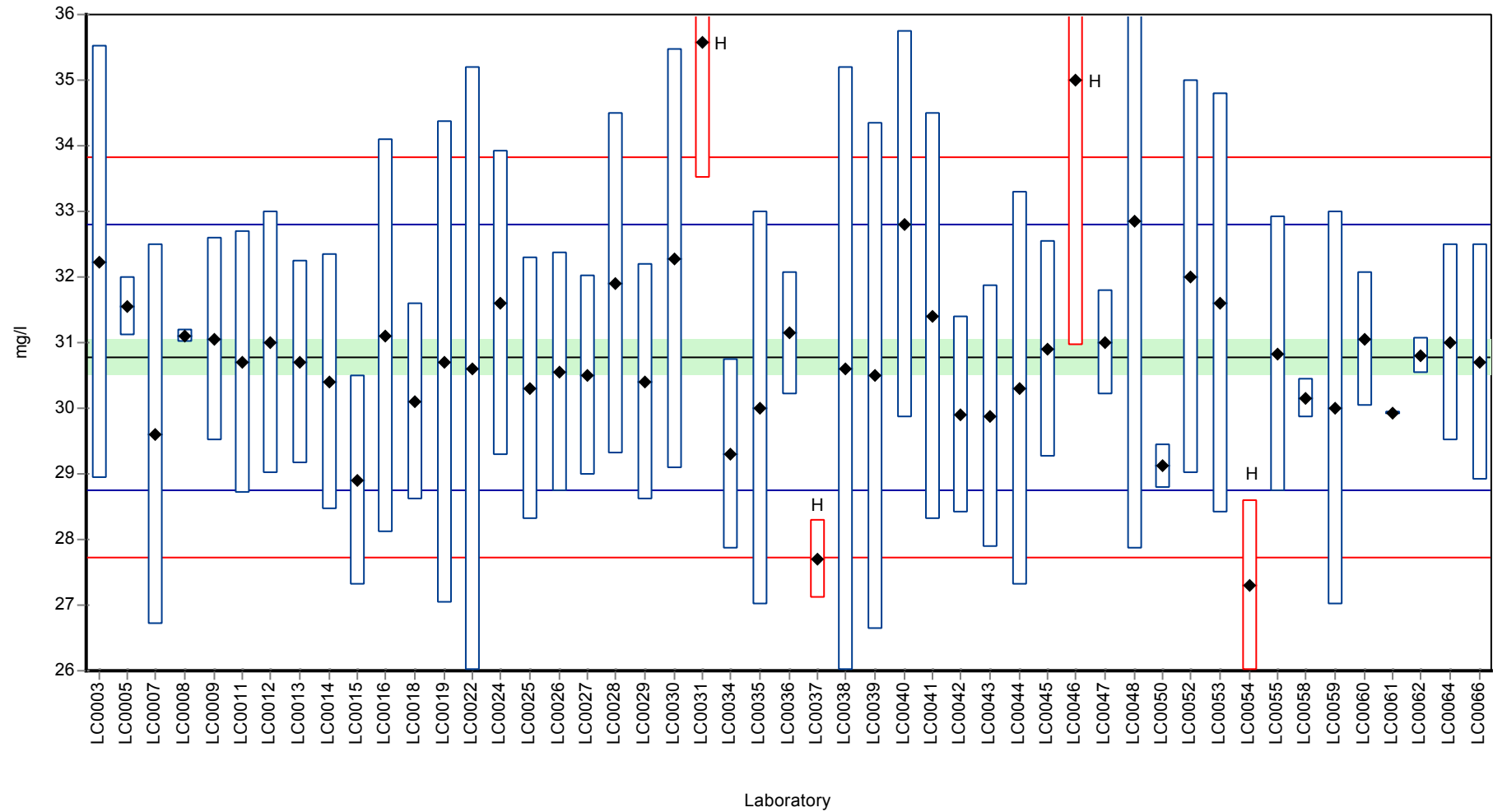
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	29.9	1.5	97.1	-0.86	
LC0043	29.87	2	97.1	-0.89	
LC0044	30.3	3	98.4	-0.47	
LC0045	30.9	1.64	100	0.12	
LC0046	35	4.06	114	4.16	H
LC0047	31	0.8	101	0.22	
LC0048	32.85	5	107	2.04	
LC0049	-	-	-	-	
LC0050	29.12	0.34	94.6	-1.63	
LC0051	-	-	-	-	
LC0052	32	3	104	1.2	
LC0053	31.6	3.2	103	0.81	
LC0054	27.3	1.3	88.7	-3.42	H
LC0055	30.83	2.1	100	0.05	
LC0056	-	-	-	-	
LC0057	-	-	-	-	
LC0058	30.16	0.3	98	-0.61	
LC0059	30	3	97.5	-0.77	
LC0060	31.05	1.03	101	0.27	
LC0061	29.93	0.03	97.2	-0.83	
LC0062	30.8	0.28	100	0.02	
LC0063	-	-	-	-	
LC0064	31	1.5	101	0.22	
LC0065	-	-	-	-	
LC0066	30.7	1.8	99.7	-0.08	
LC0067	-	-	-	-	

Characteristics of parameter

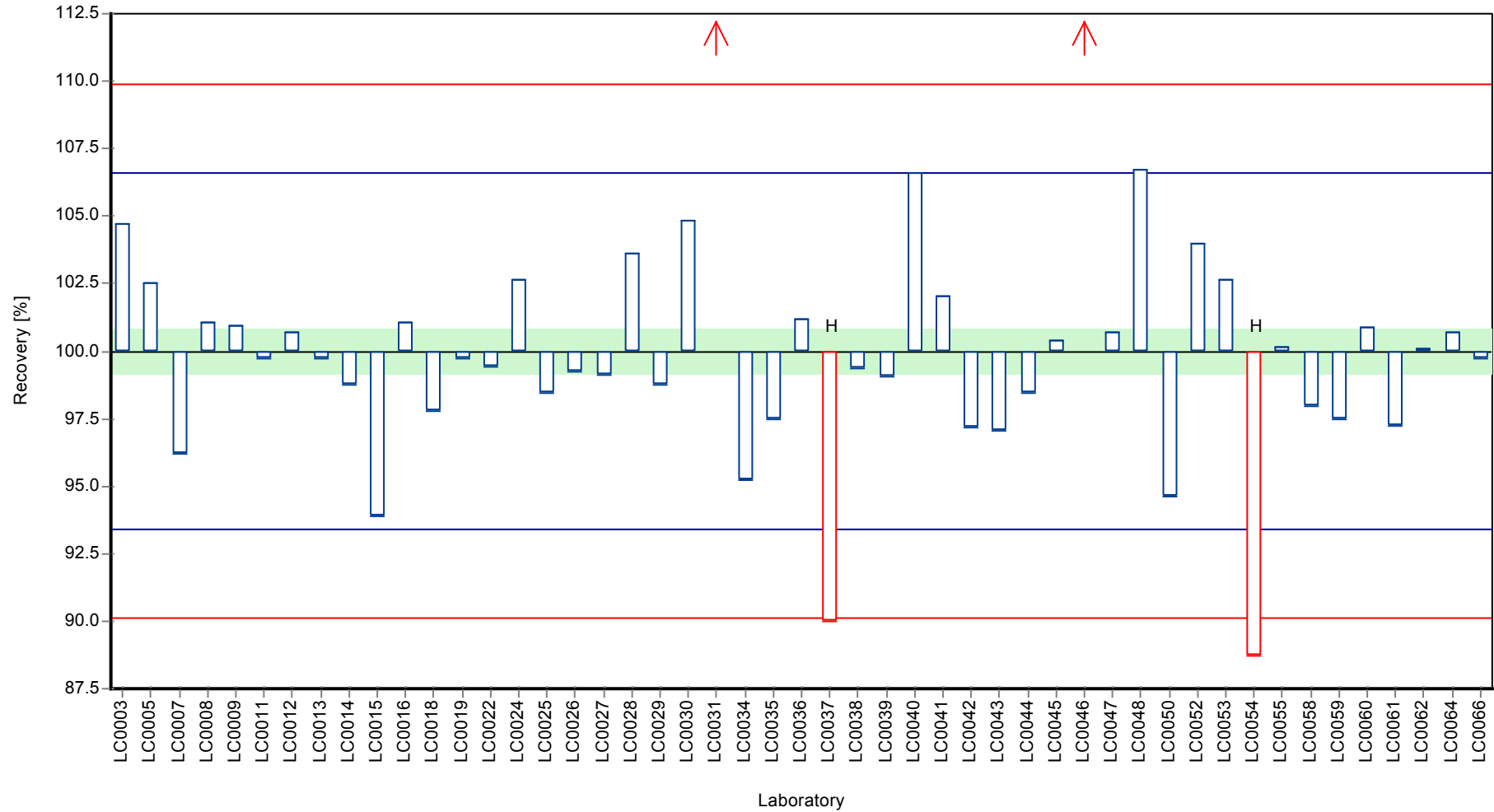
	all results	without outliers	Unit
Mean ± CI (99%)	30.8 ± 0.606	30.8 ± 0.392	mg/l
Minimum	27.3	28.9	mg/l
Maximum	35.6	32.9	mg/l
Standard deviation	1.41	0.876	mg/l
rel. standard deviation	4.59	2.84	%
n	49	45	-

Graphical presentation of results

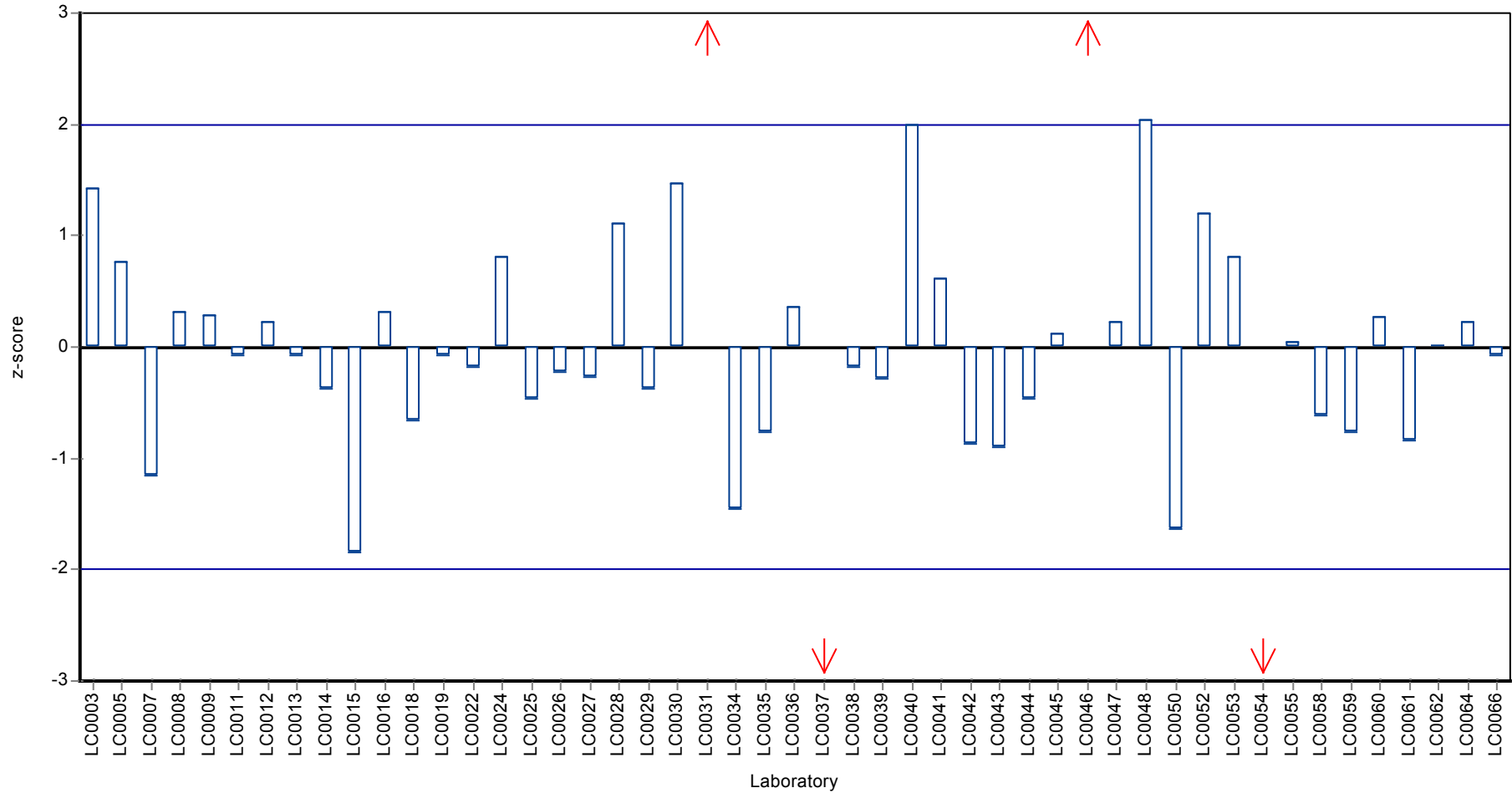
Results



Recovery rate



Z-score



Parameter oriented report

N145 A

Alkalinity Ks 4,3

Unit	mmol/l	Unit	mmol/l
Assigned value ± U (k=2)	2.6 ± 0.0525	Assigned value ± U (k=2)	2.6 ± 0.0146
Minimum - Maximum	2.47 - 2.74	Criterion	0.0525 (2 %)
Control test value ± U	2.52 ± 0.252	Minimum - Maximum	2.47 - 2.74
		Control test value ± U (k=2)	2.52 ± 0.252

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	2.61	-	100	0.18	
LC0002	-	-	-	-	
LC0003	2.69	0.26	103	1.71	
LC0004	-	-	-	-	
LC0005	2.63	0.006	101	0.57	
LC0006	-	-	-	-	
LC0007	2.56	0.25	98.5	-0.77	
LC0008	2.555	0.019	98.3	-0.86	
LC0009	2.6	0.13	100	-0.01	
LC0010	2.58	0.258	99.2	-0.39	
LC0011	2.61	0.2	100	0.18	
LC0012	2.55	0.1	98.1	-0.96	
LC0013	2.62	0.131	101	0.38	
LC0014	2.64	0.13	102	0.76	
LC0015	2.64	0.04	102	0.76	
LC0016	2.55	0.11	98.1	-0.96	
LC0017	-	-	-	-	
LC0018	2.87	0.14	110	5.13	H
LC0019	2.65	0.33	102	0.95	
LC0020	2.5	0.1	96.1	-1.91	
LC0021	2.64	0.11	102	0.76	
LC0022	2.6	0.25	100	-0.01	
LC0023	-	-	-	-	
LC0024	2.55	0.13	98.1	-0.96	
LC0025	2.47	0.1	95	-2.48	
LC0026	2.54	0.381	97.7	-1.15	
LC0027	2.63	0.131	101	0.57	
LC0028	2.62	5.6	101	0.38	
LC0029	2.63	0.16	101	0.57	
LC0030	2.35	0.2	90.4	-4.76	H
LC0031	2.5	0.001	96.1	-1.91	
LC0032	-	-	-	-	
LC0033	2.6	0.037	100	-0.01	
LC0034	2.6	0.05	100	-0.01	
LC0035	2.63	0.26	101	0.57	
LC0036	2.59	0.078	99.6	-0.2	
LC0037	2.602	0.26	100	0.03	
LC0038	2.58	0.26	99.2	-0.39	
LC0039	2.552	0.362	98.1	-0.92	
LC0040	2.59	0.246	99.6	-0.2	
LC0041	2.83	0.26	109	4.37	H

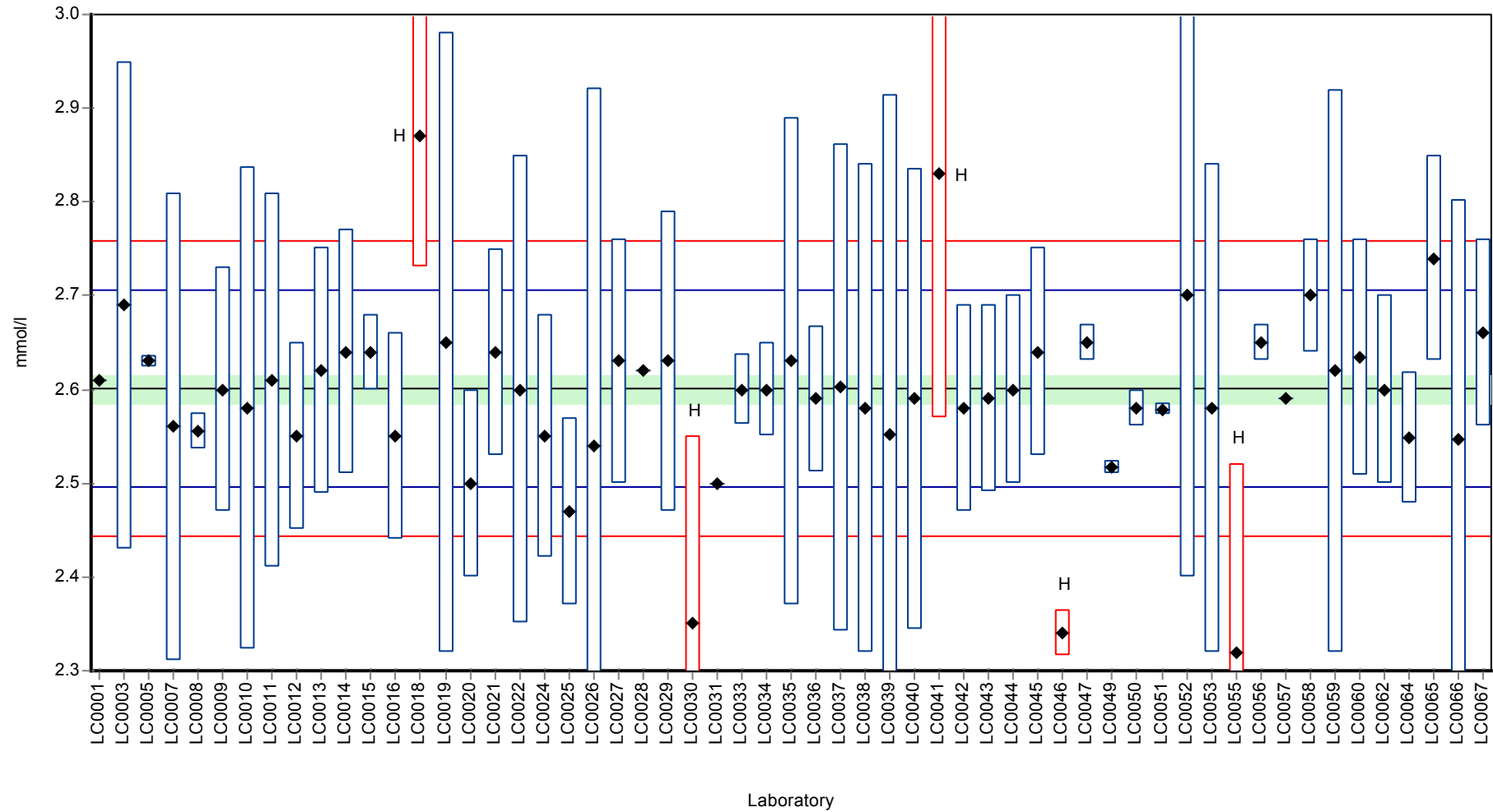
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	2.58	0.11	99.2	-0.39	
LC0043	2.59	0.1	99.6	-0.2	
LC0044	2.6	0.1	100	-0.01	
LC0045	2.64	0.1109	102	0.76	
LC0046	2.34	0.024	90	-4.96	H
LC0047	2.65	0.02	102	0.95	
LC0048	-	-	-	-	
LC0049	2.517	0.0072	96.8	-1.59	
LC0050	2.58	0.02	99.2	-0.39	
LC0051	2.579	0.006	99.2	-0.41	
LC0052	2.7	0.3	104	1.9	
LC0053	2.58	0.26	99.2	-0.39	
LC0054	-	-	-	-	
LC0055	2.32	0.2	89.2	-5.34	H
LC0056	2.65	0.02	102	0.95	
LC0057	2.59	-	99.6	-0.2	
LC0058	2.7	0.06	104	1.9	
LC0059	2.62	0.3	101	0.38	
LC0060	2.634	0.126	101	0.64	
LC0061	-	-	-	-	
LC0062	2.6	0.1	100	-0.01	
LC0063	-	-	-	-	
LC0064	2.549	0.07	98	-0.98	
LC0065	2.74	0.11	105	2.66	
LC0066	2.547	0.255	98	-1.01	
LC0067	2.66	0.1	102	1.14	

Characteristics of parameter

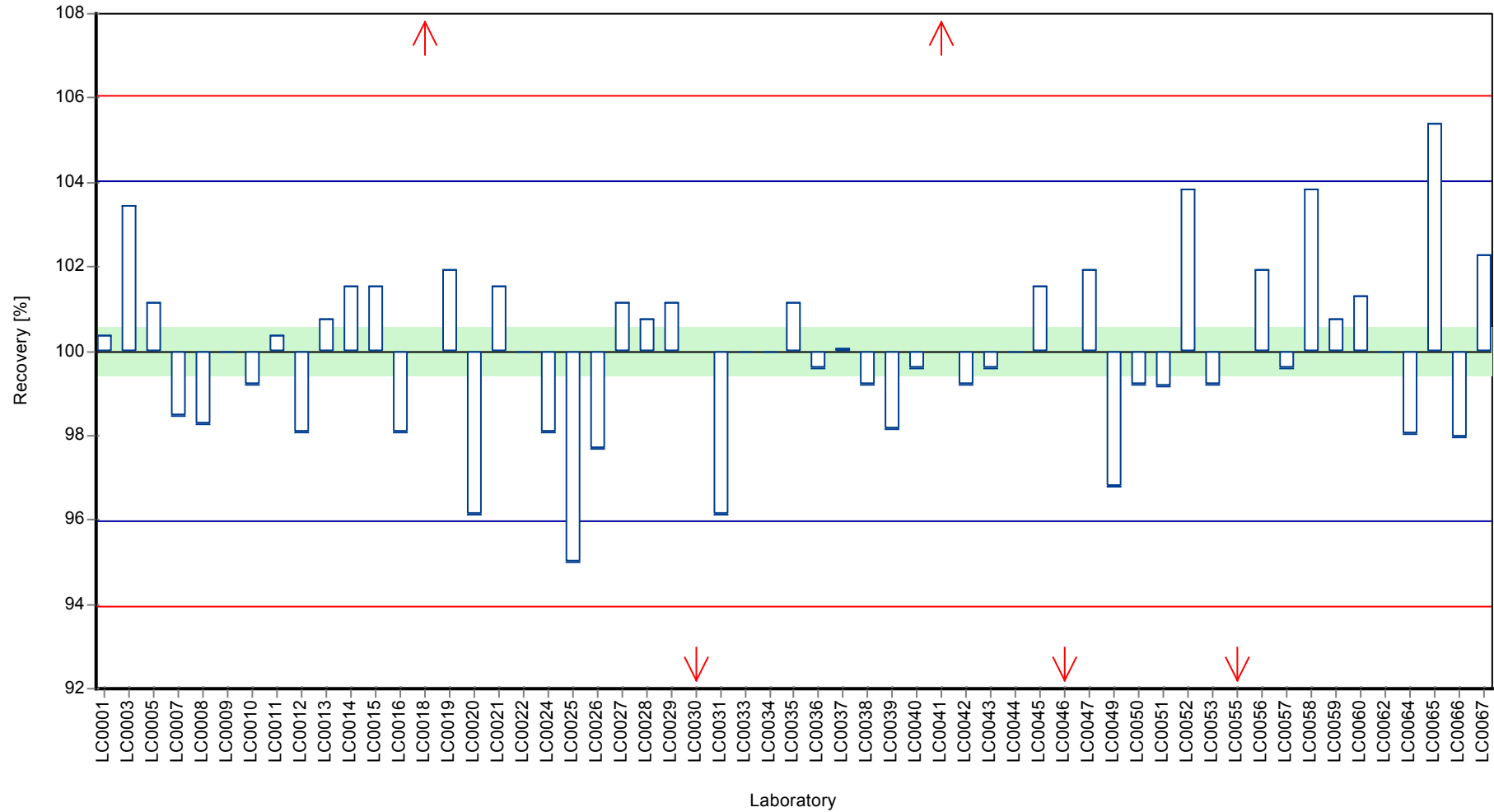
	all results	without outliers	Unit
Mean ± CI (99%)	2.6 ± 0.0365	2.6 ± 0.0218	mmol/l
Minimum	2.32	2.47	mmol/l
Maximum	2.87	2.74	mmol/l
Standard deviation	0.0919	0.0525	mmol/l
rel. standard deviation	3.54	2.02	%
n	57	52	-

Graphical presentation of results

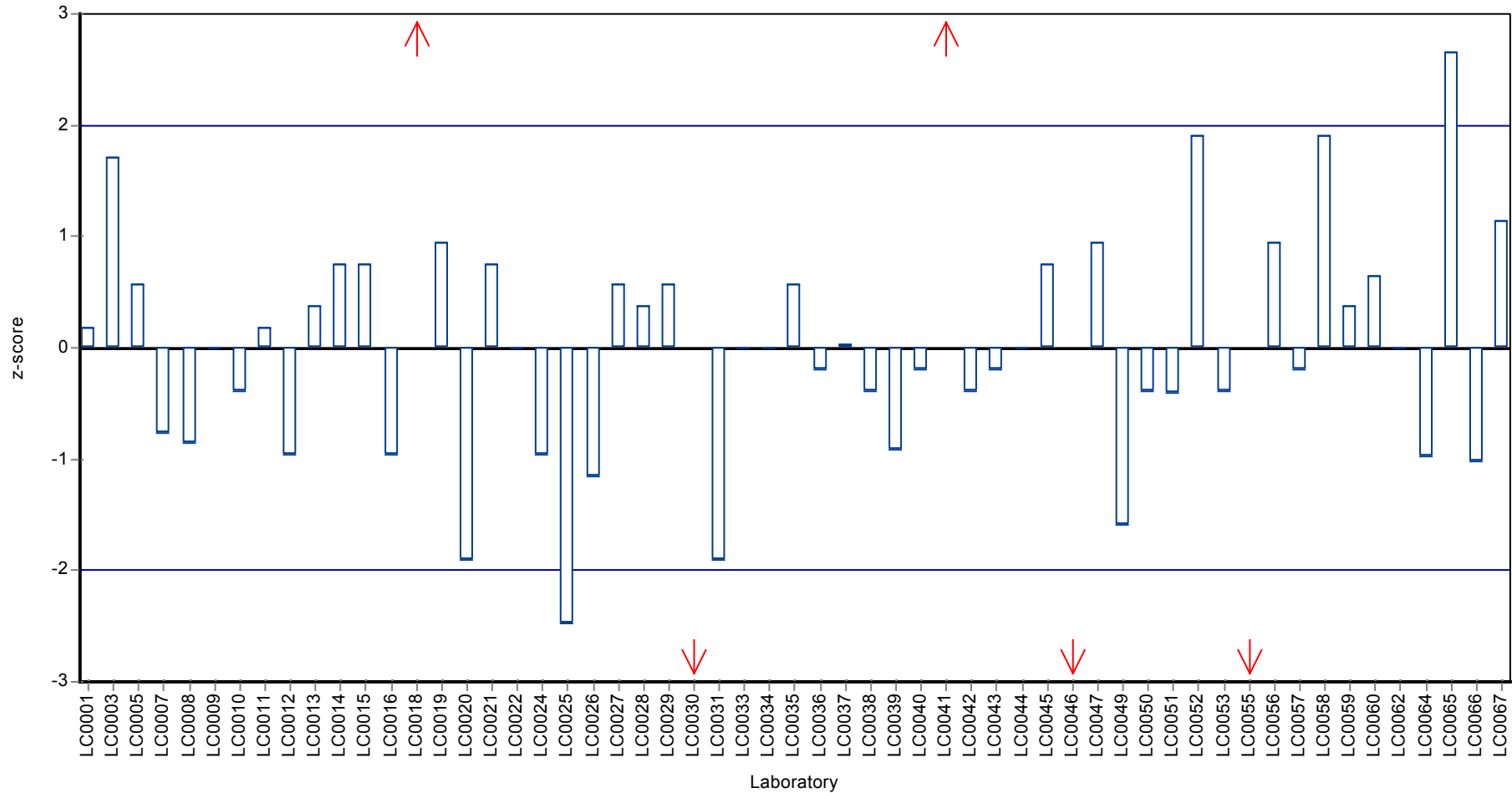
Results



Recovery rate



Z-score



Parameter oriented report

N145 B

Alkalinity Ks 4,3

Unit	mmol/l	Unit	mmol/l
Assigned value ± U (k=2)	3.57 ± 0.0725	Assigned value ± U (k=2)	3.57 ± 0.0201
Minimum - Maximum	3.37 - 3.72	Criterion	0.0725 (2 %)
Control test value ± U	3.57 ± 0.214	Minimum - Maximum	3.37 - 3.72
		Control test value ± U (k=2)	3.57 ± 0.214

Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0001	3.6	-	101	0.37	
LC0002	-	-	-	-	
LC0003	3.704	0.33	104	1.81	
LC0004	-	-	-	-	
LC0005	3.64	0.02	102	0.92	
LC0006	-	-	-	-	
LC0007	3.54	0.35	99.1	-0.46	
LC0008	3.537	0.019	99	-0.5	
LC0009	3.59	0.18	100	0.23	
LC0010	3.55	0.355	99.4	-0.32	
LC0011	3.57	0.2	99.9	-0.04	
LC0012	3.5	0.1	98	-1.01	
LC0013	3.61	0.18	101	0.51	
LC0014	3.63	0.18	102	0.79	
LC0015	3.56	0.04	99.6	-0.18	
LC0016	3.52	0.11	98.5	-0.73	
LC0017	-	-	-	-	
LC0018	3.66	0.183	102	1.2	
LC0019	3.72	0.46	104	2.03	
LC0020	3.43	0.14	96	-1.97	
LC0021	3.59	0.15	100	0.23	
LC0022	3.62	0.36	101	0.65	
LC0023	-	-	-	-	
LC0024	3.51	0.18	98.2	-0.87	
LC0025	3.37	0.1	94.3	-2.8	
LC0026	3.47	0.521	97.1	-1.42	
LC0027	3.62	0.181	101	0.65	
LC0028	3.56	5.6	99.6	-0.18	
LC0029	3.6	0.22	101	0.37	
LC0030	-	-	-	-	
LC0031	3.405	0.035	95.3	-2.32	
LC0032	-	-	-	-	
LC0033	3.58	0.043	100	0.1	
LC0034	3.58	0.08	100	0.1	
LC0035	3.6	0.36	101	0.37	
LC0036	3.55	0.107	99.4	-0.32	
LC0037	3.557	0.356	99.6	-0.22	
LC0038	3.52	0.35	98.5	-0.73	
LC0039	3.56	0.5055	99.6	-0.18	
LC0040	3.58	0.34	100	0.1	
LC0041	3.84	0.35	107	3.68	H

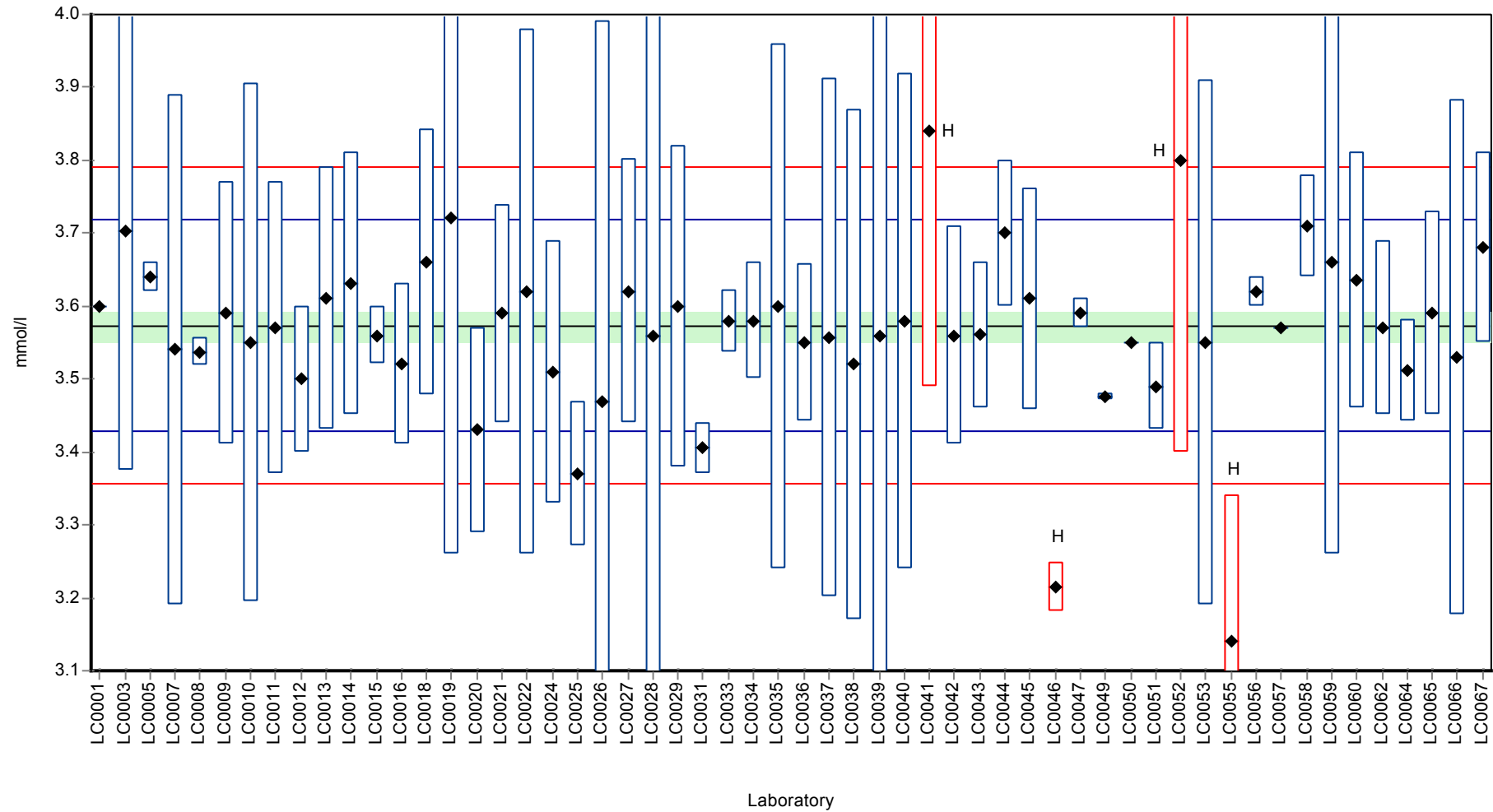
Labcode	Result	± U	Recovery [%]	z-score	Comments
LC0042	3.56	0.15	99.6	-0.18	
LC0043	3.561	0.1	99.7	-0.17	
LC0044	3.7	0.1	104	1.75	
LC0045	3.61	0.152	101	0.51	
LC0046	3.215	0.034	90	-4.94	H
LC0047	3.59	0.02	100	0.23	
LC0048	-	-	-	-	
LC0049	3.475	0.0048	97.3	-1.35	
LC0050	3.55	0.001	99.4	-0.32	
LC0051	3.49	0.06	97.7	-1.14	
LC0052	3.8	0.4	106	3.13	H
LC0053	3.55	0.36	99.4	-0.32	
LC0054	-	-	-	-	
LC0055	3.14	0.2	87.9	-5.97	H
LC0056	3.62	0.02	101	0.65	
LC0057	3.57	-	99.9	-0.04	
LC0058	3.71	0.07	104	1.89	
LC0059	3.66	0.4	102	1.2	
LC0060	3.636	0.175	102	0.87	
LC0061	-	-	-	-	
LC0062	3.57	0.12	99.9	-0.04	
LC0063	-	-	-	-	
LC0064	3.511	0.07	98.3	-0.85	
LC0065	3.59	0.14	100	0.23	
LC0066	3.53	0.353	98.8	-0.59	
LC0067	3.68	0.13	103	1.48	

Characteristics of parameter

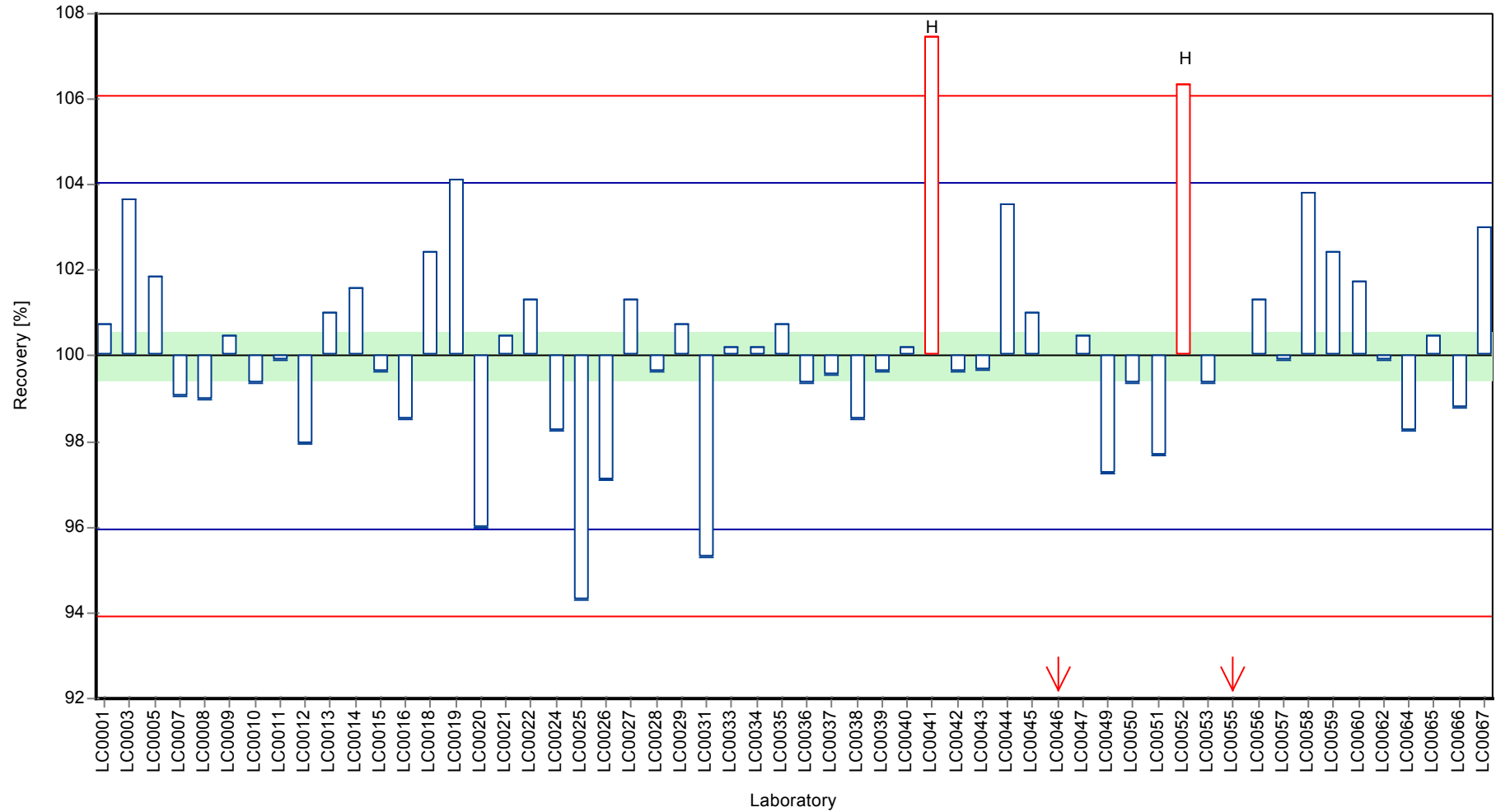
	all results	without outliers	Unit
Mean ± CI (99%)	3.57 ± 0.0454	3.57 ± 0.0302	mmol/l
Minimum	3.14	3.37	mmol/l
Maximum	3.84	3.72	mmol/l
Standard deviation	0.113	0.0725	mmol/l
rel. standard deviation	3.17	2.03	%
n	56	52	-

Graphical presentation of results

Results



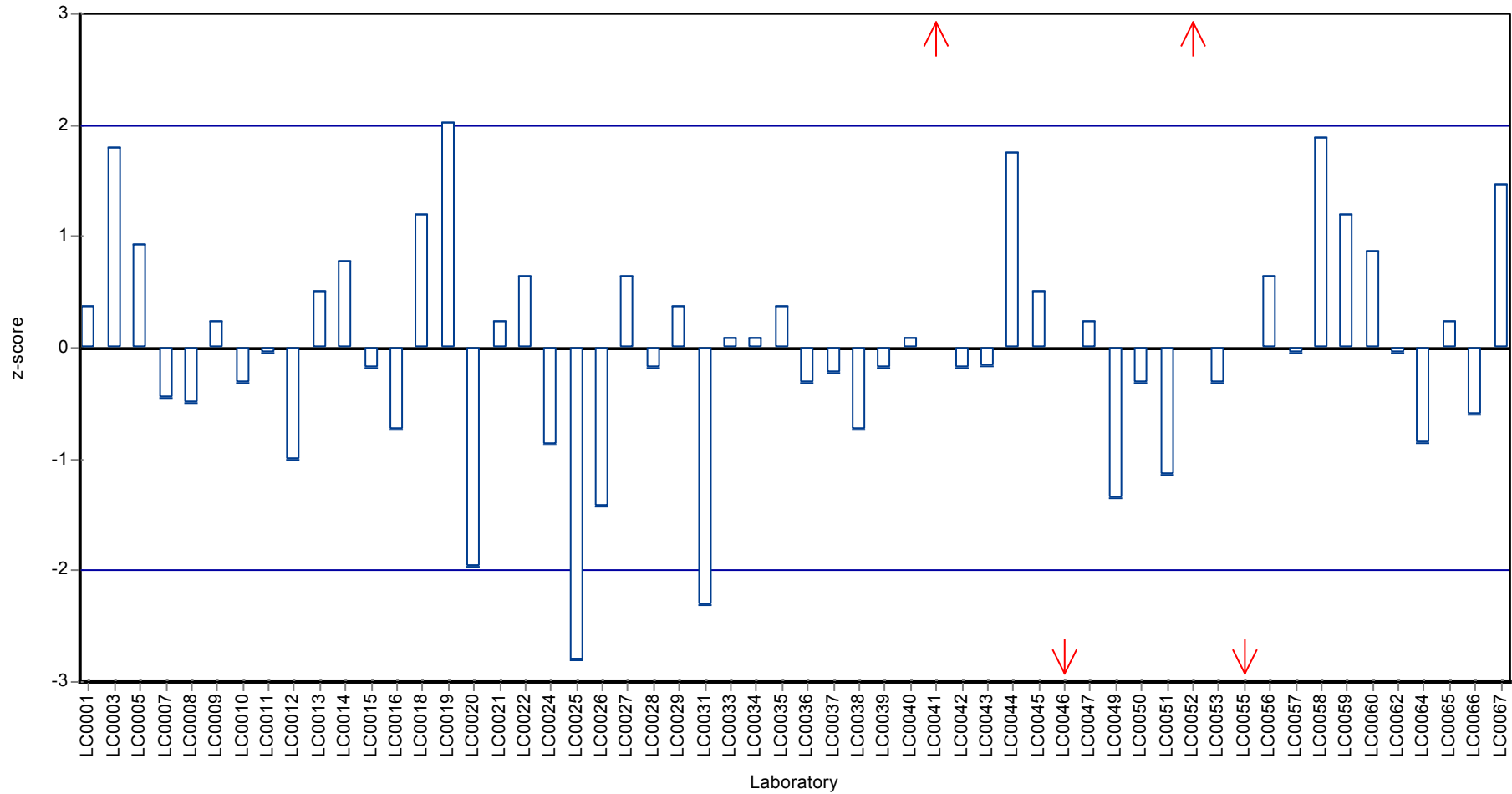
Recovery rate



Parameter oriented report Nutrients/Major Ions N145

Sample: N145B, Parameter: Alkalinity Ks 4,3

Z-score



E8. Labororientierte Auswertung / Laboratory oriented report

Die Labororientierte Auswertung ist nach dem Laborcode sortiert.

The laboratory oriented report is sorted by laboratory code.

Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	494 ± 9.34	6.25	103	2.06
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± -	3.36	102	0.85
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.191 ± -	0.00998	101	0.28
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.81 ± 0.14	0.126	99.5	-0.30
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.61 ± -	0.0525	100	0.18

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

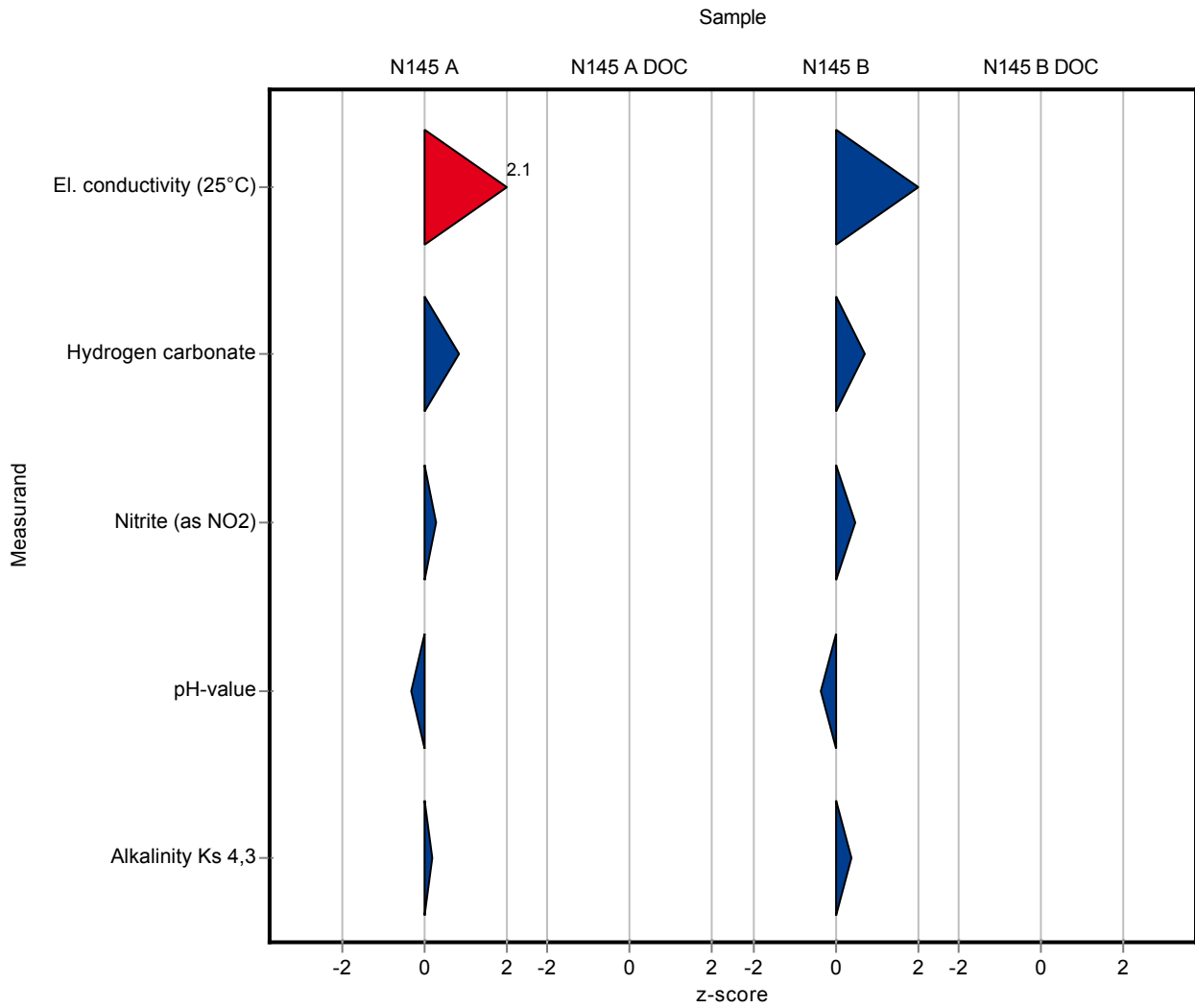
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	508 ± 9.6	6.48	102	1.50
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± -	4.7	102	0.69
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.065 ± -	0.00423	103	0.46
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.08 ± 0.14	0.13	99.4	-0.35
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.6 ± -	0.0725	101	0.37

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	494 ± 9.34	6.25	103	0.69
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± -	3.36	102	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.191 ± -	0.00998	101	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.81 ± 0.14	0.126	99.5	-0.13
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.61 ± -	0.0525	100	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

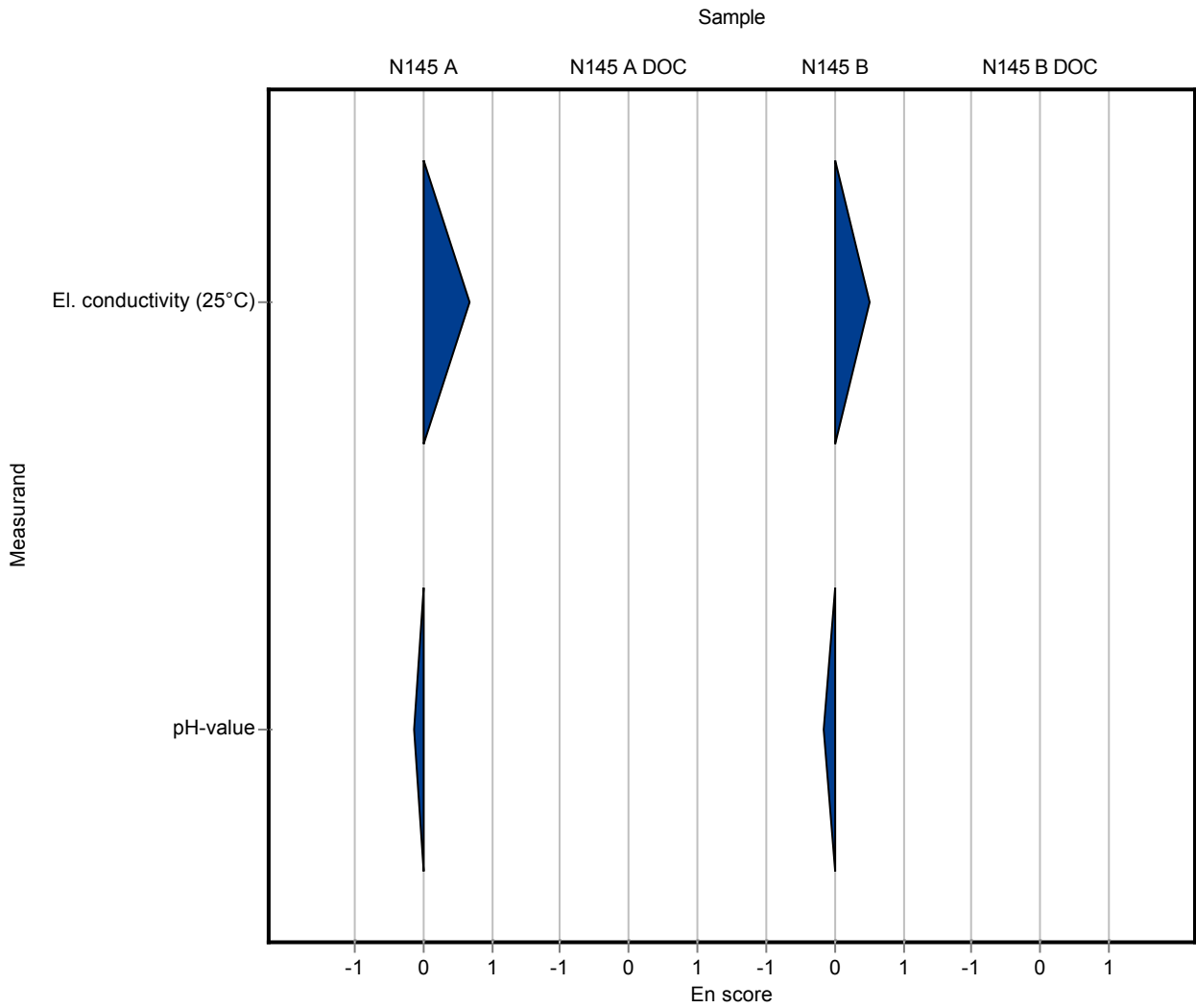
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	508 ± 9.6	6.48	102	0.50
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± -	4.7	102	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.065 ± -	0.00423	103	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.08 ± 0.14	0.13	99.4	-0.16
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.6 ± -	0.0725	101	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.078 ± 0.003	0.0137	91.4	-0.54
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.143 ± 0.015	0.0162	80.2	-2.18
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.03	0.133	86.2	-0.60

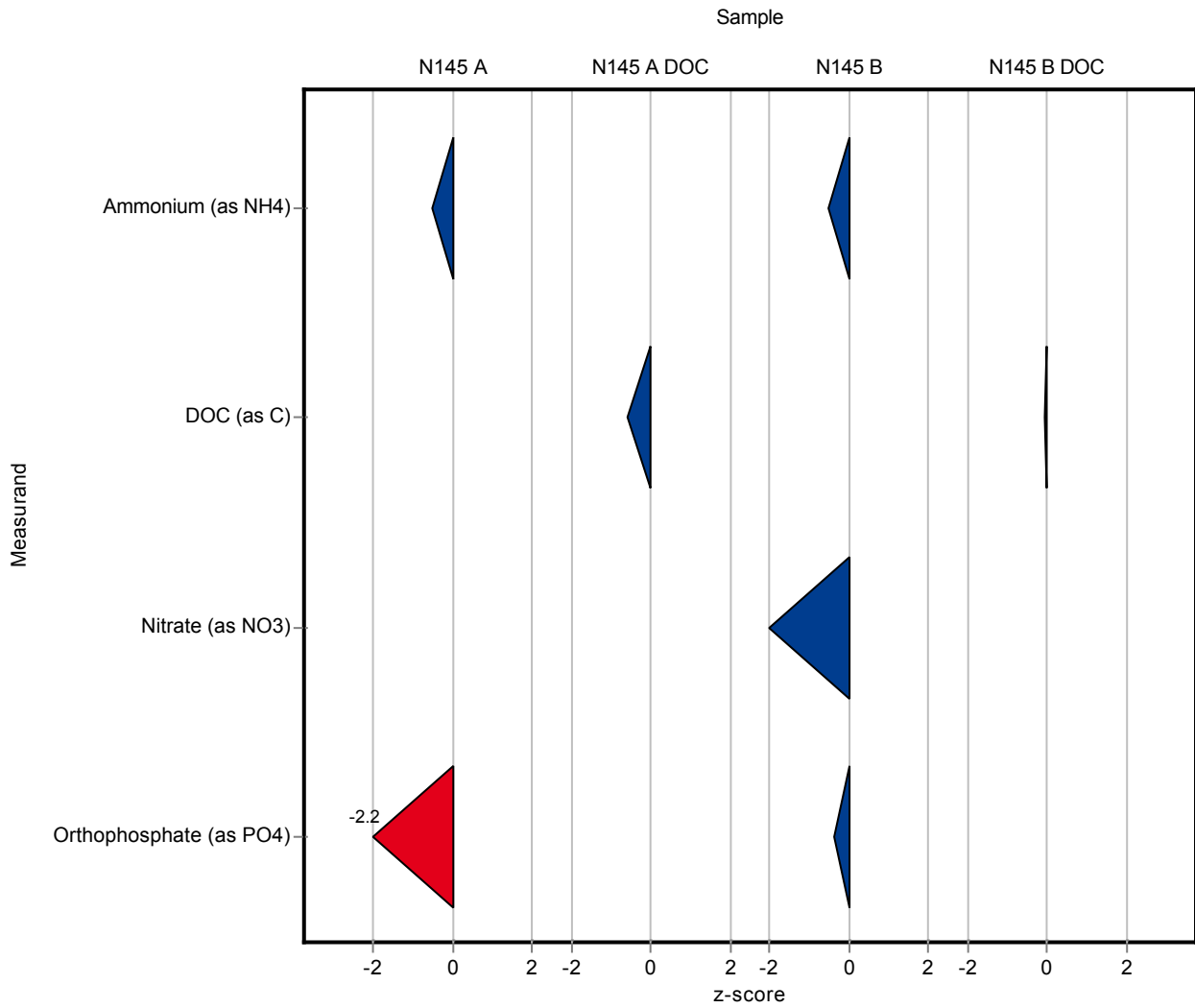
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.082 ± 0.002	0.0143	92	-0.50
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.77 ± 0.36	0.611	94.4	-1.14
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.118 ± 0.007	0.0111	96.5	-0.39
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.17 ± 0.08	0.21	99.4	-0.06



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.078 ± 0.003	0.0137	91.4	-1.14
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.143 ± 0.015	0.0162	80.2	-1.17
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.03	0.133	86.2	-1.05

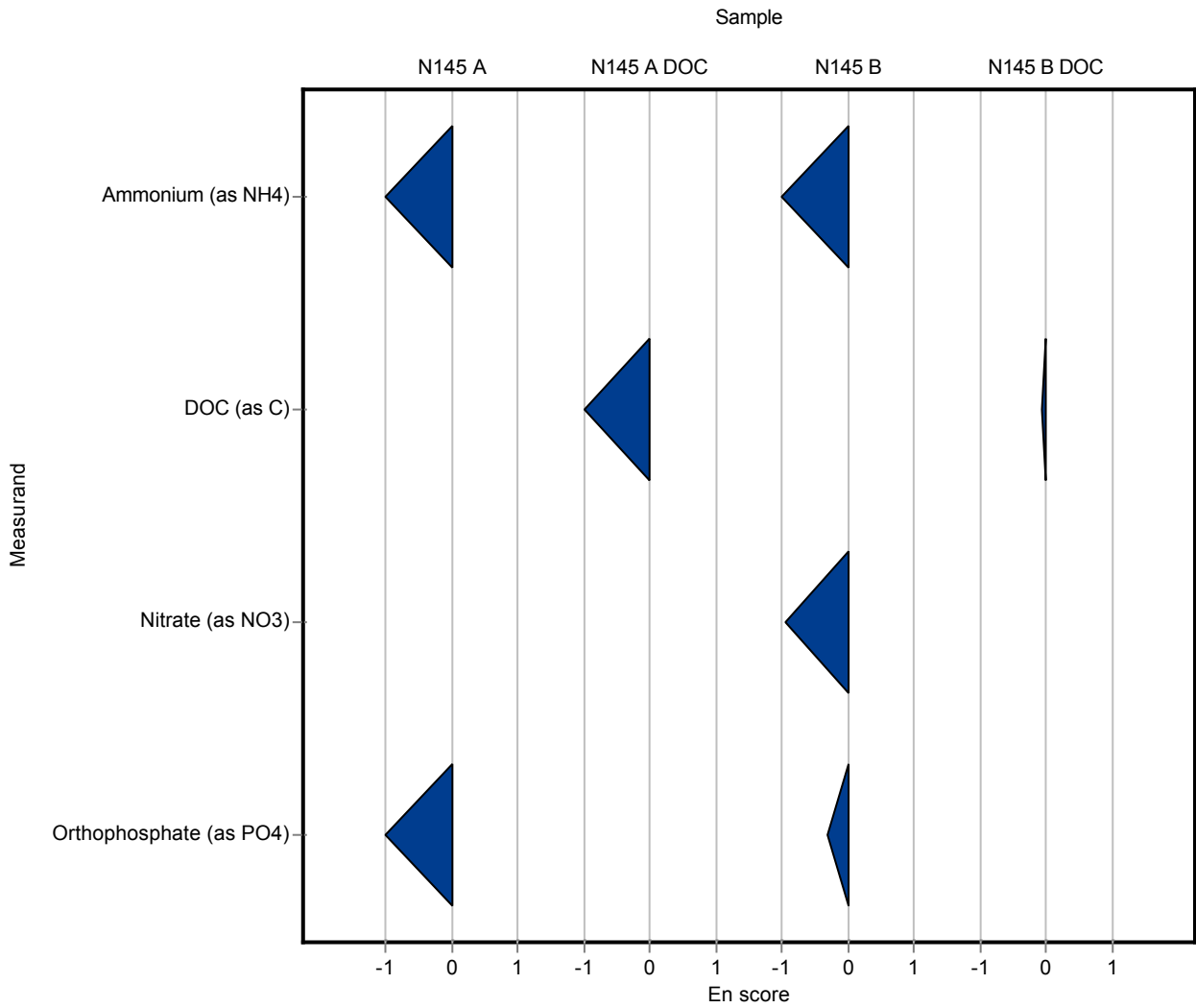
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.082 ± 0.002	0.0143	92	-1.30
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.77 ± 0.36	0.611	94.4	-0.95
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.118 ± 0.007	0.0111	96.5	-0.30
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.17 ± 0.08	0.21	99.4	-0.07



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.098 ± 0.003	0.0137	115	0.93
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	58.37 ± 1.4	2.15	95.6	-1.24
Chloride	mg/l	21.7 ± 0.152	21.76 ± 1.3	0.825	100	0.06
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 13	6.25	100	0.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.26 ± 0.05	0.0618	98.7	-0.49
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.25 ± 0.1	0.094	106	0.77
Magnesium	mg/l	18.2 ± 0.188	17.9 ± 1.9	0.651	98.5	-0.42
Sodium	mg/l	6.75 ± 0.0891	7.29 ± 1	0.292	108	1.84
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	30.5 ± 2.6	1.58	94.9	-1.05
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.196 ± 0.017	0.00998	104	0.78
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.86 ± 0.17	0.126	100	0.10
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.85 ± 6	1.89	101	0.38
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.69 ± 0.26	0.0525	103	1.71

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

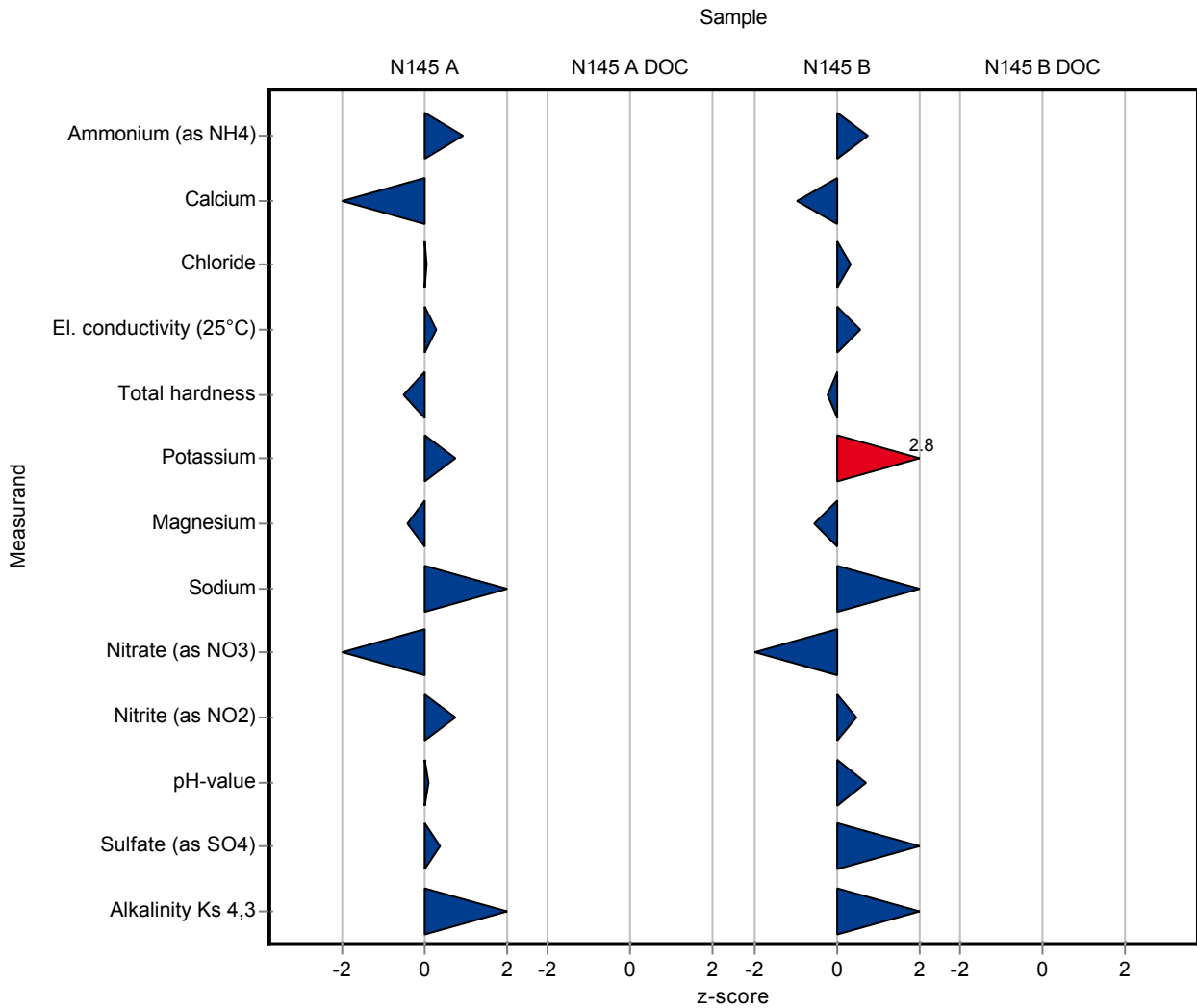
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.1 ± 0.003	0.0143	112	0.76
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	61.44 ± 1.5	2.09	96.8	-0.97
Chloride	mg/l	28.2 ± 0.219	28.55 ± 1.7	1.07	101	0.35
El. conductivity (25°C)	µS/cm	498 ± 1.43	502 ± 13.6	6.48	101	0.57
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.05	0.0595	99.4	-0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.77 ± 0.2	0.121	114	2.81
Magnesium	mg/l	14.6 ± 0.152	14.33 ± 1.5	0.523	98	-0.55
Sodium	mg/l	17.4 ± 0.211	18.37 ± 2.5	0.715	106	1.35
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.54 ± 1.2	0.611	92.6	-1.51
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.065 ± 0.005	0.00423	103	0.46
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.22 ± 0.17	0.13	101	0.72
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.23 ± 3.3	1.02	105	1.43
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.704 ± 0.33	0.0725	104	1.81

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.098 ± 0.003	0.0137	115	1.96
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	58.37 ± 1.4	2.15	95.6	-0.93
Chloride	mg/l	21.7 ± 0.152	21.76 ± 1.3	0.825	100	0.02
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 13	6.25	100	0.07
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.26 ± 0.05	0.0618	98.7	-0.30
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.25 ± 0.1	0.094	106	0.36
Magnesium	mg/l	18.2 ± 0.188	17.9 ± 1.9	0.651	98.5	-0.07
Sodium	mg/l	6.75 ± 0.0891	7.29 ± 1	0.292	108	0.27
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	30.5 ± 2.6	1.58	94.9	-0.32
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.196 ± 0.017	0.00998	104	0.23
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.86 ± 0.17	0.126	100	0.04
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.85 ± 6	1.89	101	0.06
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.69 ± 0.26	0.0525	103	0.17

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

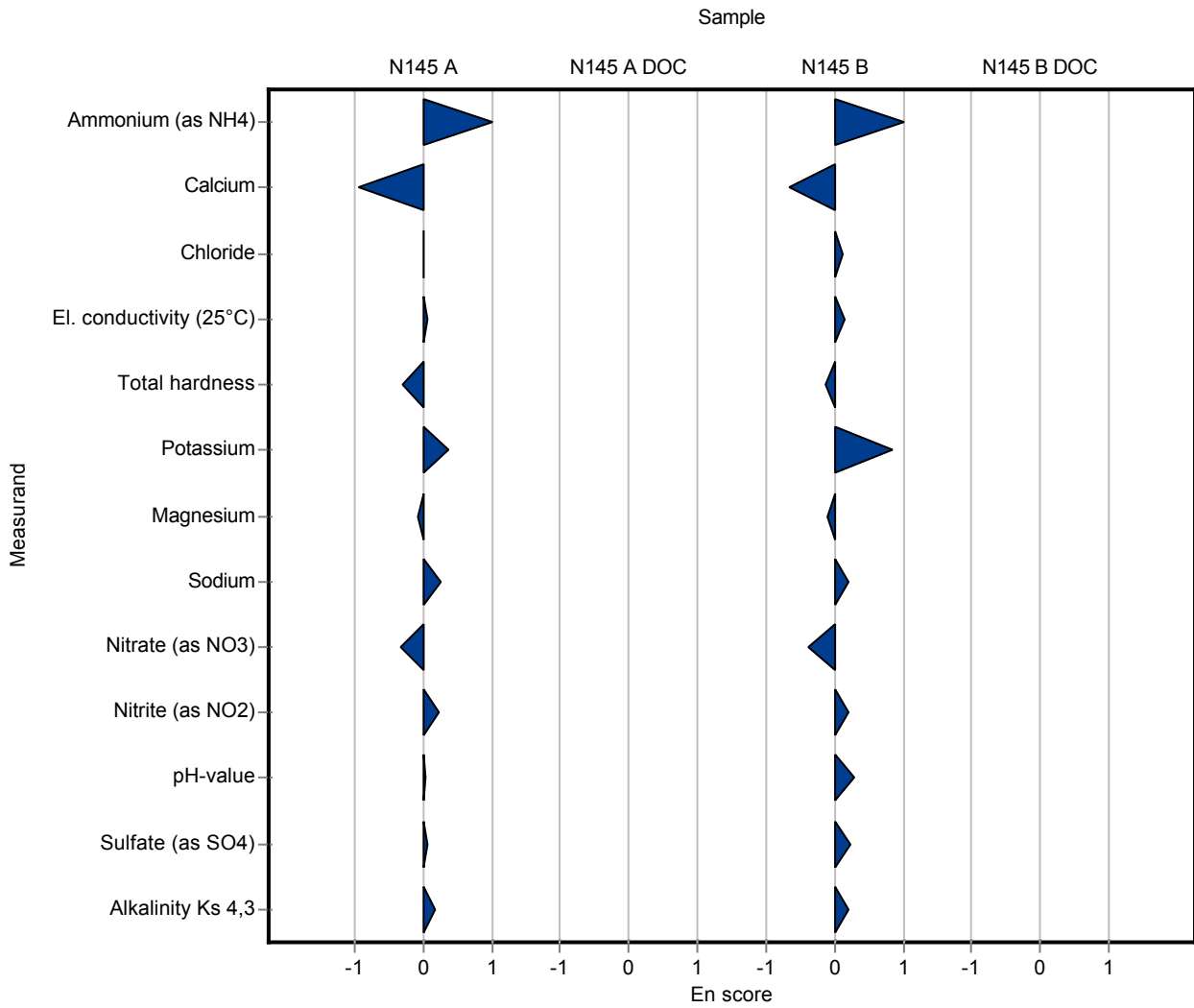
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.1 ± 0.003	0.0143	112	1.54
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	61.44 ± 1.5	2.09	96.8	-0.67
Chloride	mg/l	28.2 ± 0.219	28.55 ± 1.7	1.07	101	0.11
El. conductivity (25°C)	µS/cm	498 ± 1.43	502 ± 13.6	6.48	101	0.14
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.05	0.0595	99.4	-0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.77 ± 0.2	0.121	114	0.85
Magnesium	mg/l	14.6 ± 0.152	14.33 ± 1.5	0.523	98	-0.10
Sodium	mg/l	17.4 ± 0.211	18.37 ± 2.5	0.715	106	0.19
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.54 ± 1.2	0.611	92.6	-0.39
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.065 ± 0.005	0.00423	103	0.19
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.22 ± 0.17	0.13	101	0.28
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.23 ± 3.3	1.02	105	0.22
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.704 ± 0.33	0.0725	104	0.20

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 15	6.25	100	0.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.98 ± 0.2	0.126	102	1.05
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

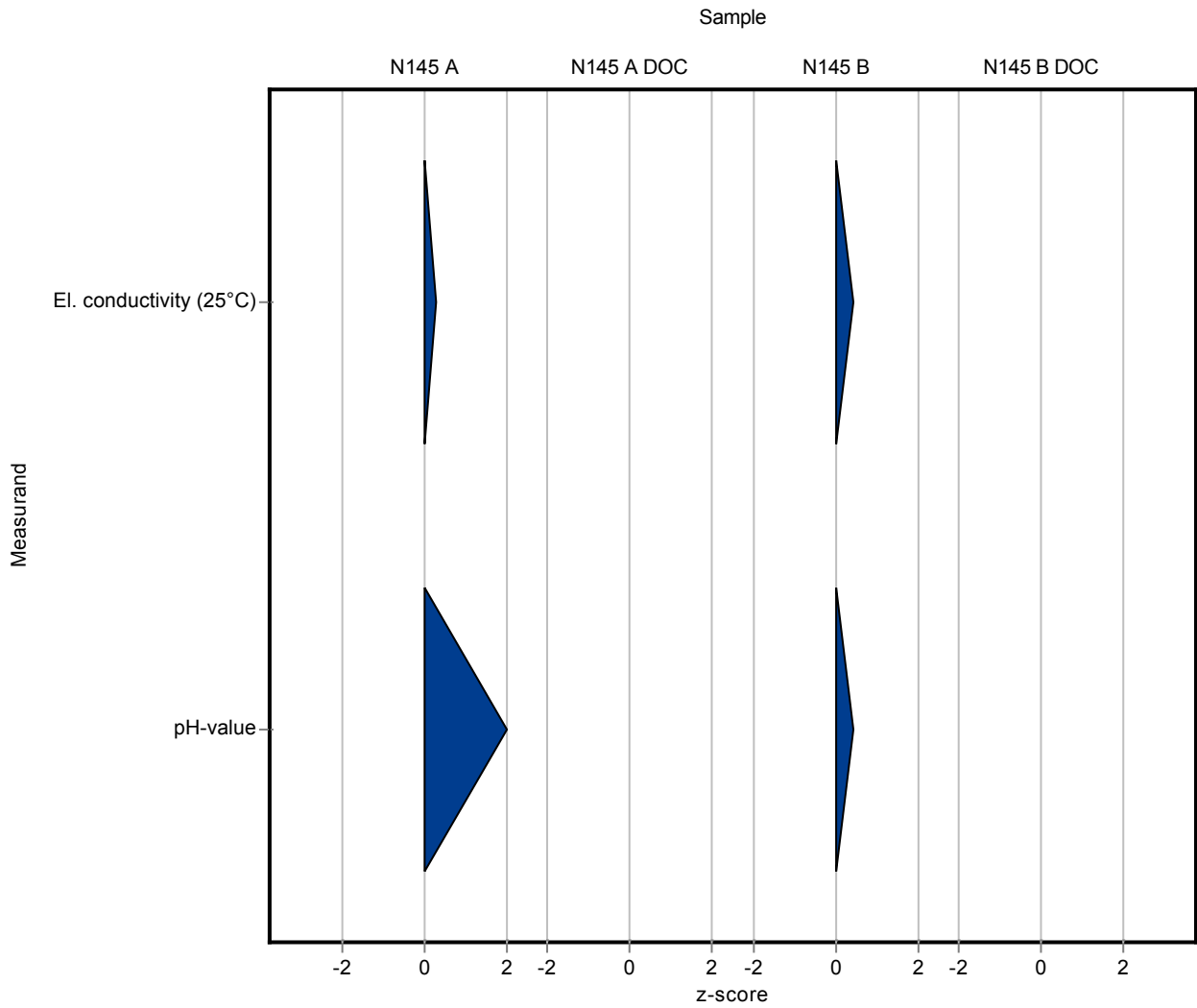
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 16	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.18 ± 0.2	0.13	101	0.42
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 15	6.25	100	0.06
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.98 ± 0.2	0.126	102	0.33
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

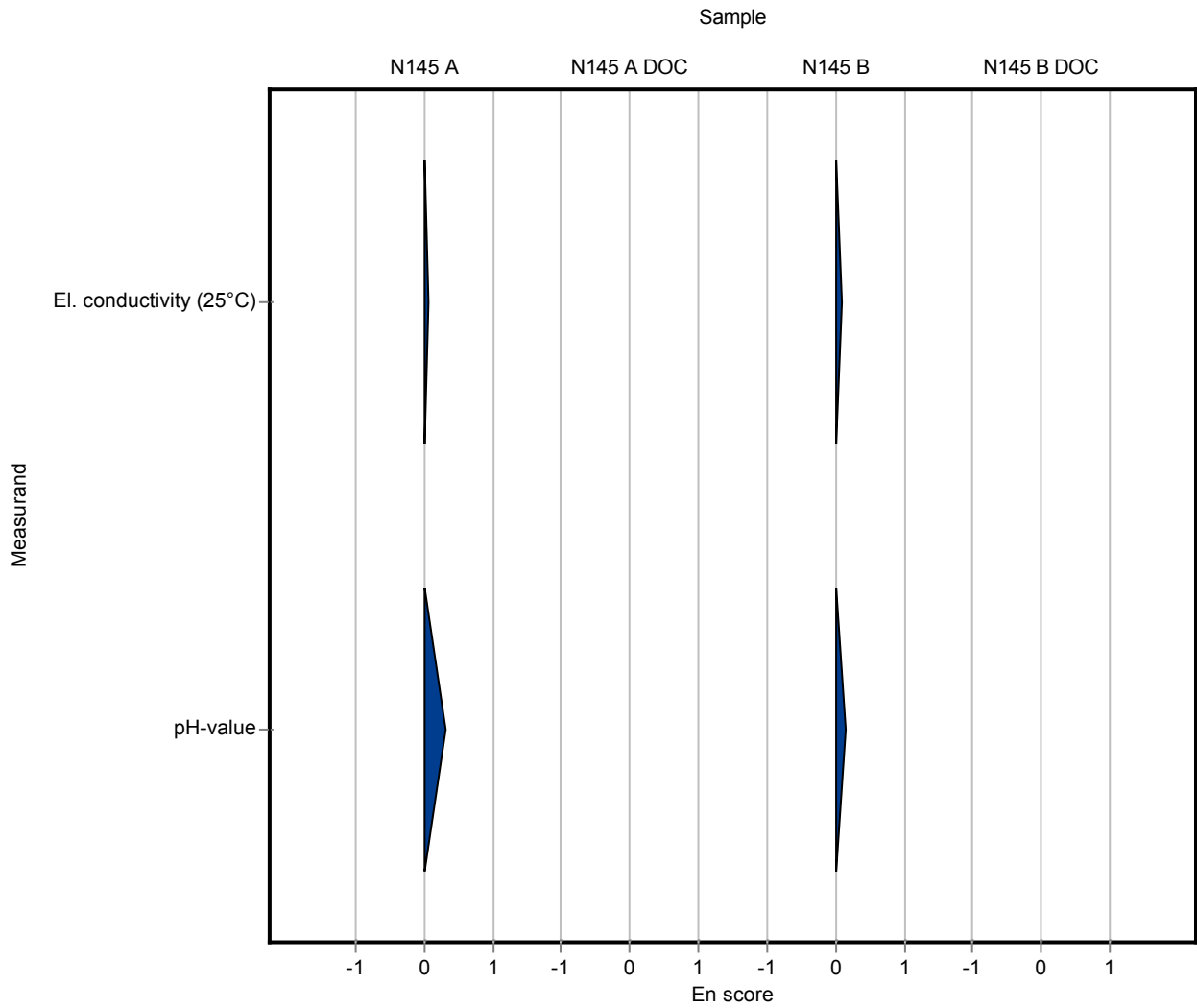
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 16	6.48	101	0.08
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.18 ± 0.2	0.13	101	0.14
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0906 ± 0.0013	0.0137	106	0.38
Boron	mg/l	0.0212 ± 0.000599	0.0237 ± 0.0002	0.00212	112	1.18
Calcium	mg/l	61 ± 0.622	63.7 ± 0.416	2.15	104	1.24
Chloride	mg/l	21.7 ± 0.152	22.7 ± 0.313	0.825	105	1.19
El. conductivity (25°C)	µS/cm	481 ± 1.57	473 ± 0.577	6.25	98.3	-1.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.5746 ± 0.004	0.0577	88.6	-1.28
Total hardness	mmol/l	2.29 ± 0.0172	2.37 ± 0.014	0.0618	103	1.29
Total nitrogen	mg/l	7.48 ± 0.238	6.99 ± 0.03	0.628	93.5	-0.78
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 0.436	3.36	101	0.25
Potassium	mg/l	1.18 ± 0.028	1.22 ± 0.036	0.094	104	0.45
Magnesium	mg/l	18.2 ± 0.188	18.9 ± 0.1	0.651	104	1.12
Sodium	mg/l	6.75 ± 0.0891	7.59 ± 0.347	0.292	112	2.86
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.97 ± 0.831	1.58	103	0.52
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1837 ± 0.0008	0.00998	97.6	-0.46
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.1717 ± 0.001	0.0162	96.3	-0.41
pH-value	-	7.85 ± 0.0288	7.91 ± 0.012	0.126	101	0.50
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	60.43 ± 1.413	1.89	106	1.75
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.006	0.0525	101	0.57

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.49 ± 0.012	0.133	84.5	-0.67

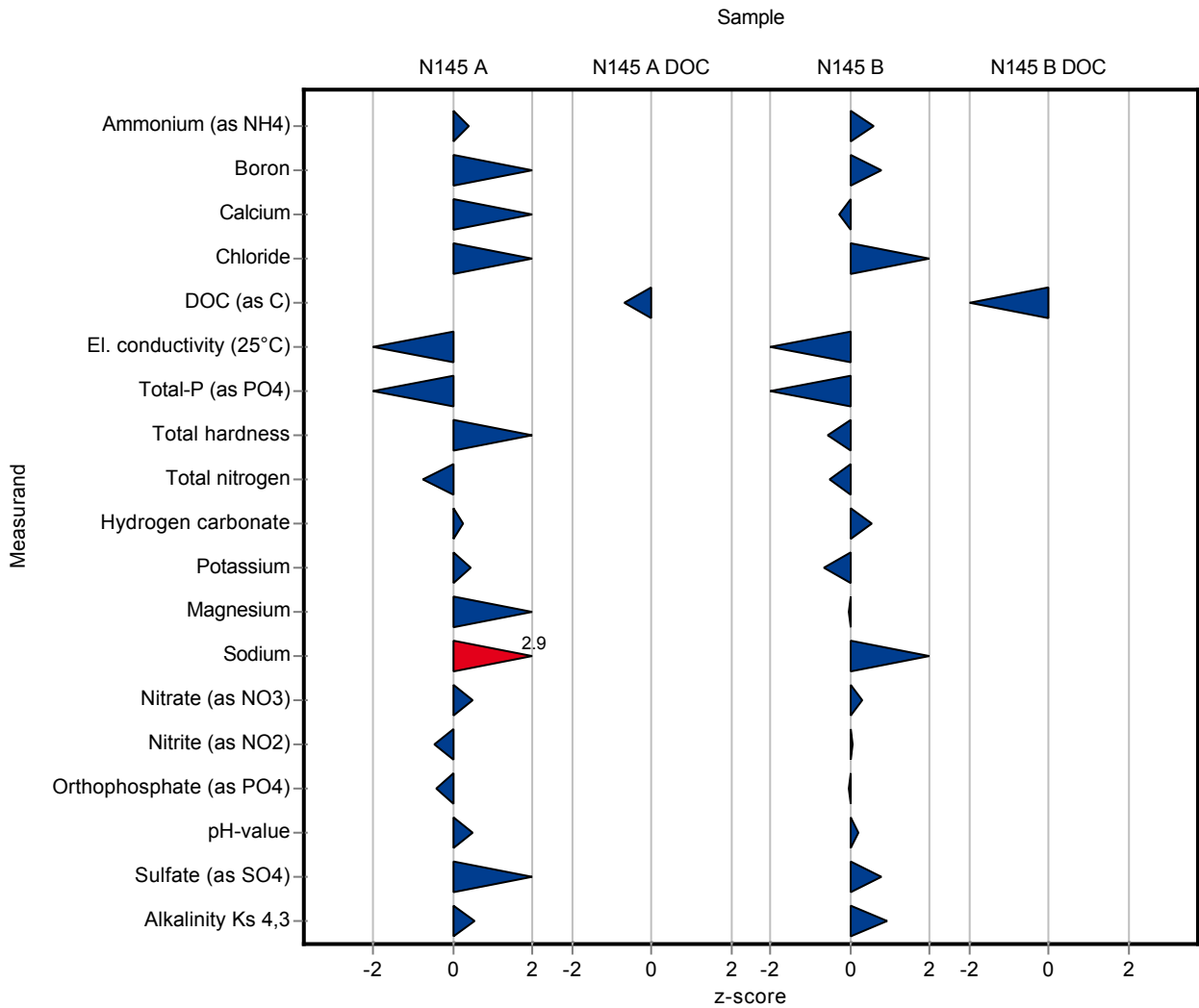
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0973 ± 0.0014	0.0143	109	0.57
Boron	mg/l	0.0155 ± 0.000684	0.0167 ± 0.0001	0.00155	108	0.77
Calcium	mg/l	63.5 ± 0.611	62.9 ± 2.61	2.09	99.1	-0.28
Chloride	mg/l	28.2 ± 0.219	29.35 ± 0.516	1.07	104	1.10
El. conductivity (25°C)	µS/cm	498 ± 1.43	491 ± 0.577	6.48	98.5	-1.13
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1193 ± 0.001	0.0122	86.9	-1.47
Total hardness	mmol/l	2.2 ± 0.0157	2.17 ± 0.082	0.0595	98.5	-0.56

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.91 ± 0.02	0.252	95.8	-0.51
Hydrogen carbonate	mg/l	217 ± 1.49	219.3 ± 1.206	4.7	101	0.54
Potassium	mg/l	2.43 ± 0.0361	2.35 ± 0.102	0.121	96.7	-0.66
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 0.404	0.523	99.9	-0.04
Sodium	mg/l	17.4 ± 0.211	18.2 ± 0.896	0.715	105	1.11
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.65 ± 0.199	0.611	101	0.30
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0633 ± 0.001	0.00423	100	0.05
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.122 ± 0.0006	0.0111	99.8	-0.03
pH-value	-	8.13 ± 0.0204	8.15 ± 0.006	0.13	100	0.19
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.56 ± 0.45	1.02	103	0.77
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.64 ± 0.02	0.0725	102	0.92

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.95 ± 0.012	0.21	89.3	-1.11



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0906 ± 0.0013	0.0137	106	1.49
Boron	mg/l	0.0212 ± 0.000599	0.0237 ± 0.0002	0.00212	112	3.47
Calcium	mg/l	61 ± 0.622	63.7 ± 0.416	2.15	104	2.56
Chloride	mg/l	21.7 ± 0.152	22.7 ± 0.313	0.825	105	1.53
El. conductivity (25°C)	µS/cm	481 ± 1.57	473 ± 0.577	6.25	98.3	-4.18
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.5746 ± 0.004	0.0577	88.6	-5.18
Total hardness	mmol/l	2.29 ± 0.0172	2.37 ± 0.014	0.0618	103	2.42
Total nitrogen	mg/l	7.48 ± 0.238	6.99 ± 0.03	0.628	93.5	-2.00
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 0.436	3.36	101	0.61
Potassium	mg/l	1.18 ± 0.028	1.22 ± 0.036	0.094	104	0.55
Magnesium	mg/l	18.2 ± 0.188	18.9 ± 0.1	0.651	104	2.65
Sodium	mg/l	6.75 ± 0.0891	7.59 ± 0.347	0.292	112	1.20
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.97 ± 0.831	1.58	103	0.49
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1837 ± 0.0008	0.00998	97.6	-1.87
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.1717 ± 0.001	0.0162	96.3	-1.63
pH-value	-	7.85 ± 0.0288	7.91 ± 0.012	0.126	101	1.66
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	60.43 ± 1.413	1.89	106	1.15
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.006	0.0525	101	1.58

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.49 ± 0.012	0.133	84.5	-1.70

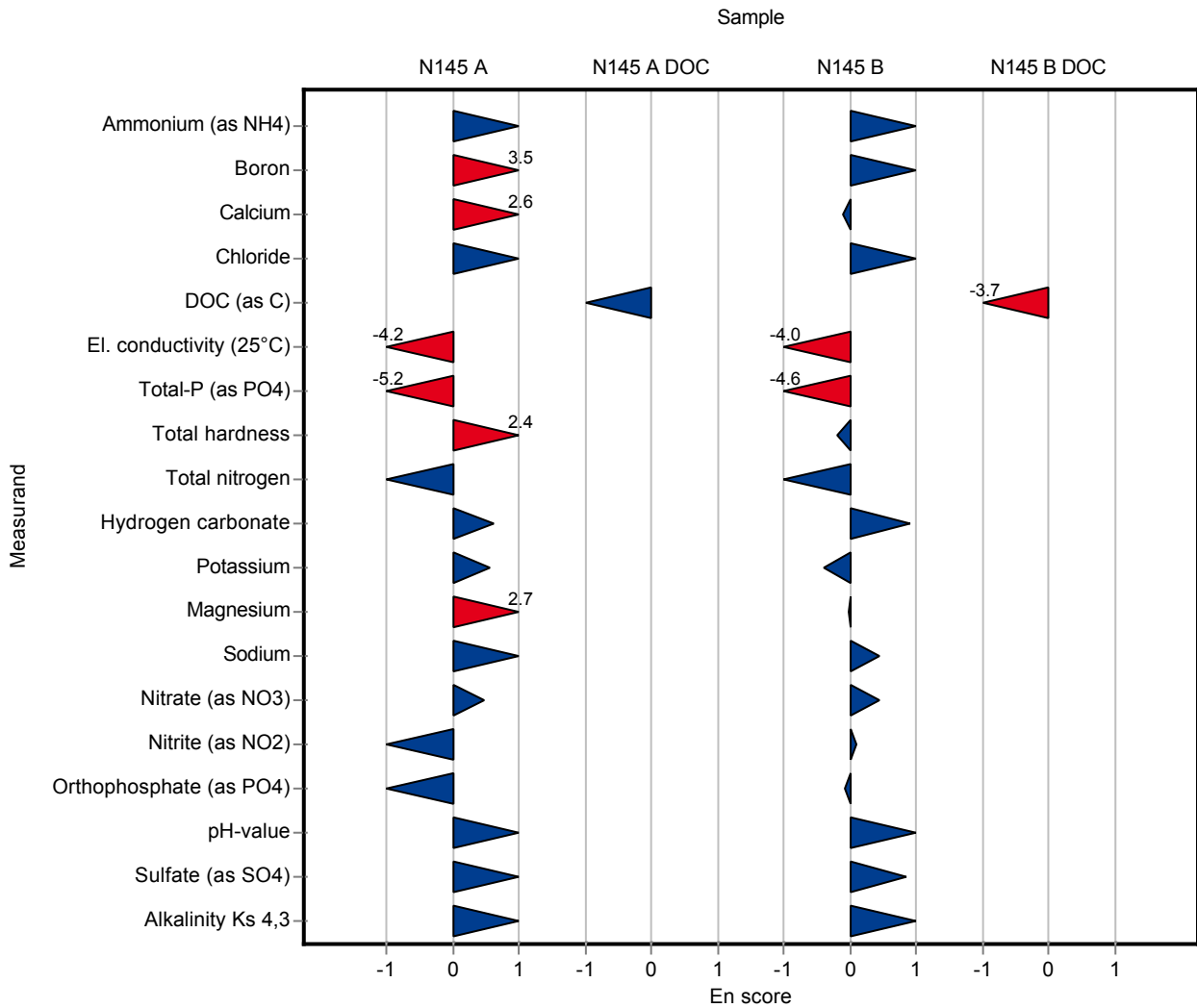
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0973 ± 0.0014	0.0143	109	1.75
Boron	mg/l	0.0155 ± 0.000684	0.0167 ± 0.0001	0.00155	108	1.68
Calcium	mg/l	63.5 ± 0.611	62.9 ± 2.61	2.09	99.1	-0.11
Chloride	mg/l	28.2 ± 0.219	29.35 ± 0.516	1.07	104	1.11
El. conductivity (25°C)	µS/cm	498 ± 1.43	491 ± 0.577	6.48	98.5	-3.97
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1193 ± 0.001	0.0122	86.9	-4.60
Total hardness	mmol/l	2.2 ± 0.0157	2.17 ± 0.082	0.0595	98.5	-0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.91 ± 0.02	0.252	95.8	-1.23
Hydrogen carbonate	mg/l	217 ± 1.49	219.3 ± 1.206	4.7	101	0.90
Potassium	mg/l	2.43 ± 0.0361	2.35 ± 0.102	0.121	96.7	-0.39
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 0.404	0.523	99.9	-0.02
Sodium	mg/l	17.4 ± 0.211	18.2 ± 0.896	0.715	105	0.44
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.65 ± 0.199	0.611	101	0.45
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0633 ± 0.001	0.00423	100	0.10
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.122 ± 0.0006	0.0111	99.8	-0.08
pH-value	-	8.13 ± 0.0204	8.15 ± 0.006	0.13	100	1.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.56 ± 0.45	1.02	103	0.83
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.64 ± 0.02	0.0725	102	1.50

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.95 ± 0.012	0.21	89.3	-3.69



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	453 ± 23	6.25	94.2	-4.50
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.9 ± 0.2	0.126	101	0.42
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

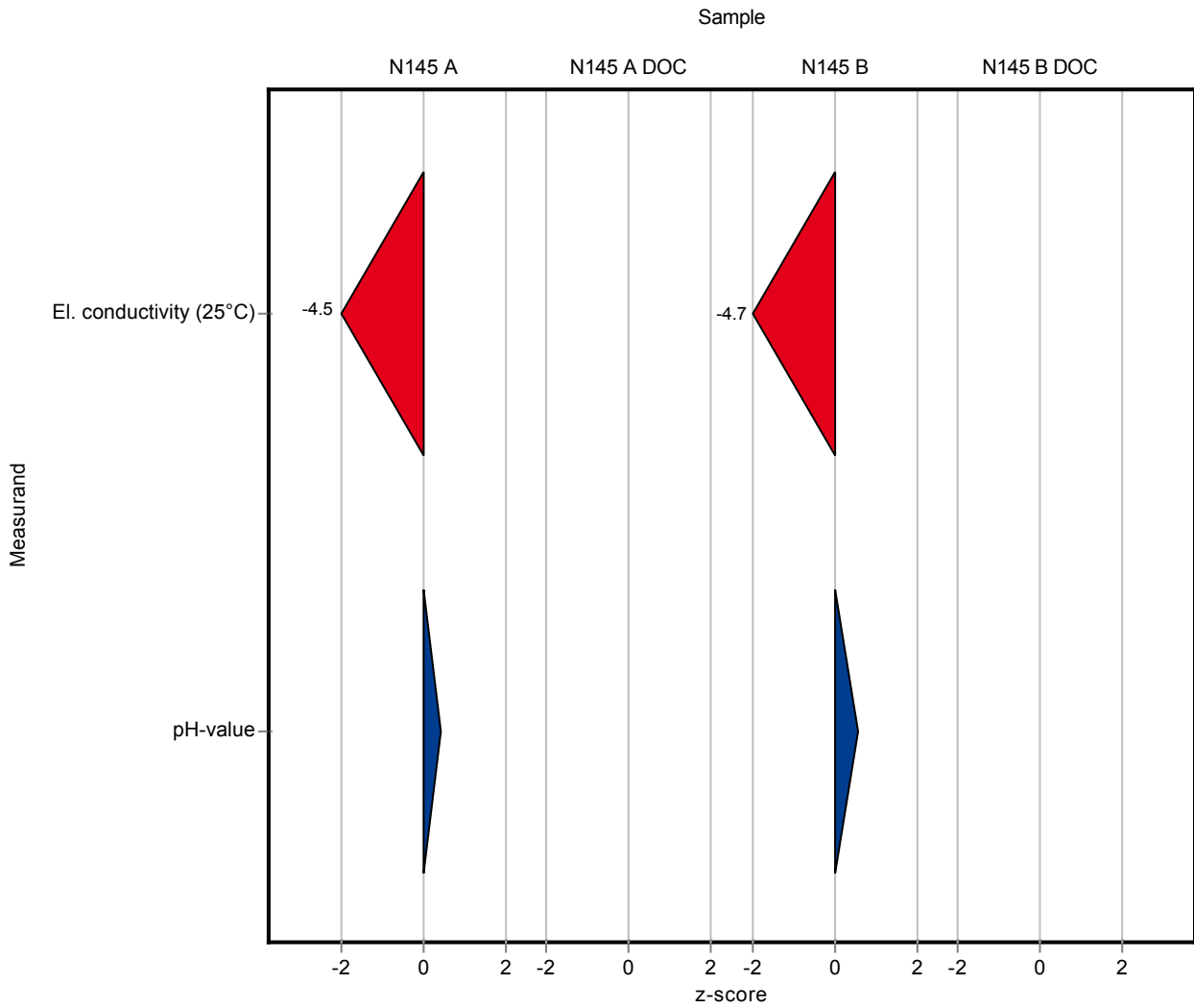
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	468 ± 23	6.48	93.9	-4.68
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.2	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	453 ± 23	6.25	94.2	-0.61
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.9 ± 0.2	0.126	101	0.13
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

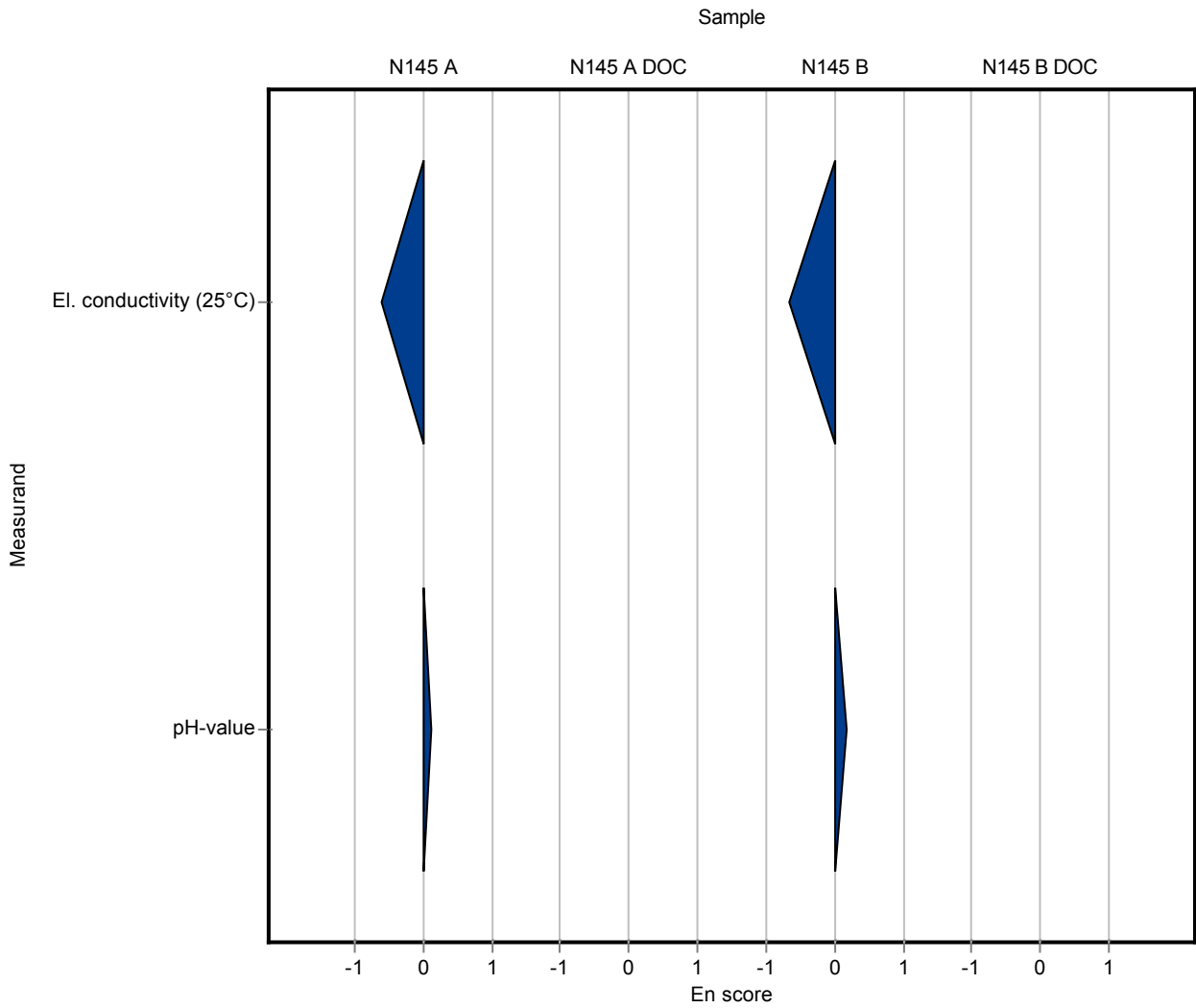
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	468 ± 23	6.48	93.9	-0.66
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.2	0.13	101	0.18
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.085 ± 0.009	0.0137	99.6	-0.03
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	60.5 ± 6.1	2.15	99.1	-0.25
Chloride	mg/l	21.7 ± 0.152	20 ± 2	0.825	92.1	-2.08
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 10	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.601 ± 0.06	0.0577	92.6	-0.83
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.23	0.0618	100	0.16
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	156.2 ± 15.6	3.36	99.4	-0.28
Potassium	mg/l	1.18 ± 0.028	1.14 ± 0.11	0.094	96.8	-0.40
Magnesium	mg/l	18.2 ± 0.188	19 ± 1.9	0.651	105	1.27
Sodium	mg/l	6.75 ± 0.0891	6.44 ± 0.64	0.292	95.4	-1.07
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.1 ± 3.1	1.58	96.7	-0.67
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.187 ± 0.019	0.00998	99.3	-0.13
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.184 ± 0.018	0.0162	103	0.35
pH-value	-	7.85 ± 0.0288	7.8 ± 0.1	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	54.8 ± 5.4	1.89	95.9	-1.24
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.56 ± 0.25	0.0525	98.5	-0.77

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.657 ± 0.0657	0.133	113	0.58

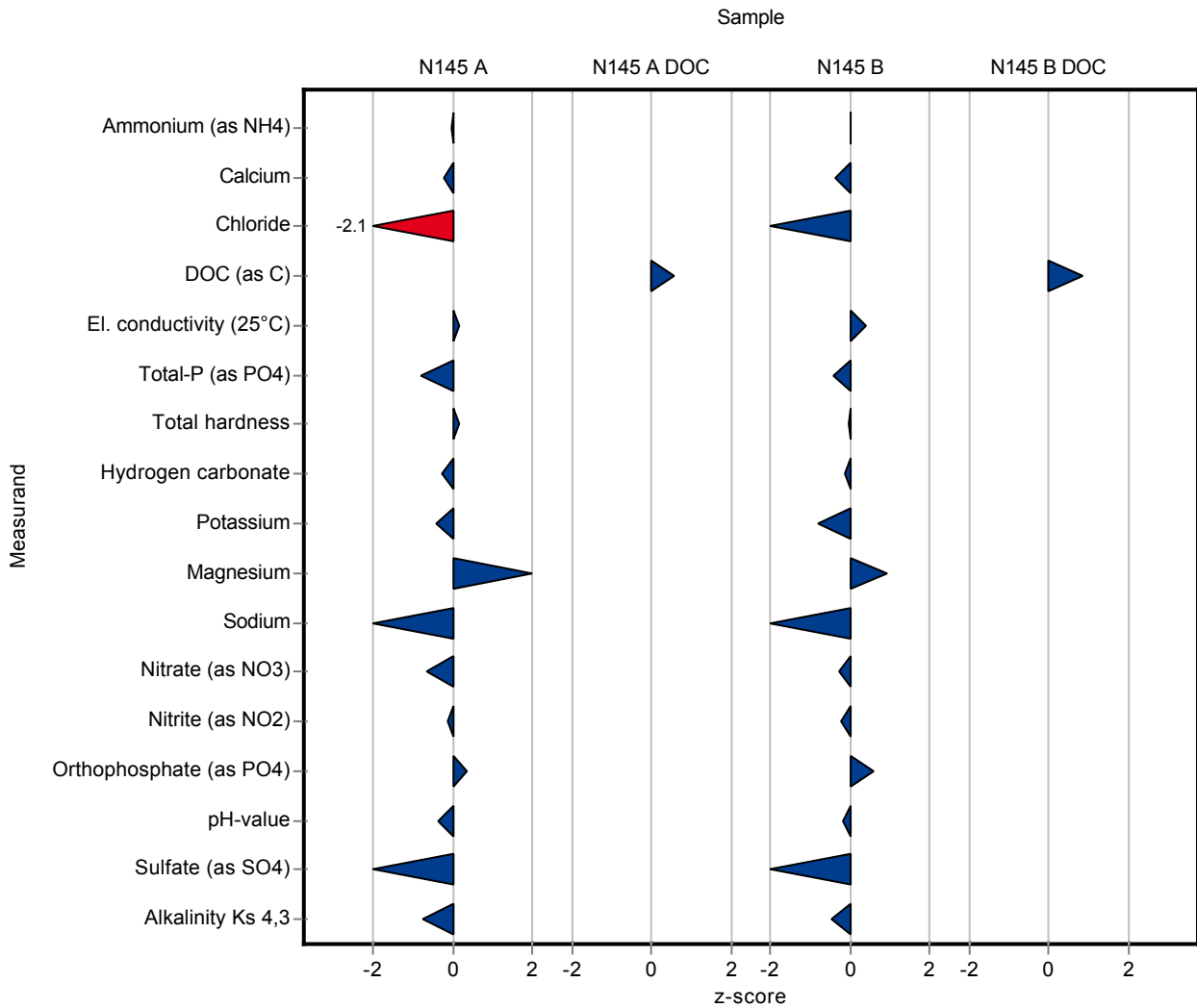
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.089 ± 0.009	0.0143	99.9	-0.01
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.7 ± 6.3	2.09	98.8	-0.37
Chloride	mg/l	28.2 ± 0.219	26.3 ± 2.6	1.07	93.3	-1.75
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 10	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.132 ± 0.013	0.0122	96.1	-0.43
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.22	0.0595	99.8	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	216 ± 21.6	4.7	99.7	-0.16
Potassium	mg/l	2.43 ± 0.0361	2.33 ± 0.23	0.121	95.9	-0.83
Magnesium	mg/l	14.6 ± 0.152	15.1 ± 1.5	0.523	103	0.92
Sodium	mg/l	17.4 ± 0.211	16.2 ± 1.6	0.715	93.1	-1.68
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 1.2	0.611	98.7	-0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.062 ± 0.006	0.00423	98.3	-0.25
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.129 ± 0.013	0.0111	105	0.60
pH-value	-	8.13 ± 0.0204	8.1 ± 0.1	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.6 ± 2.9	1.02	96.2	-1.16
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.54 ± 0.35	0.0725	99.1	-0.46

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.36 ± 0.236	0.21	108	0.85



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.085 ± 0.009	0.0137	99.6	-0.02
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	60.5 ± 6.1	2.15	99.1	-0.04
Chloride	mg/l	21.7 ± 0.152	20 ± 2	0.825	92.1	-0.43
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 10	6.25	100	0.04
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.601 ± 0.06	0.0577	92.6	-0.40
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.23	0.0618	100	0.02
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	156.2 ± 15.6	3.36	99.4	-0.03
Potassium	mg/l	1.18 ± 0.028	1.14 ± 0.11	0.094	96.8	-0.17
Magnesium	mg/l	18.2 ± 0.188	19 ± 1.9	0.651	105	0.22
Sodium	mg/l	6.75 ± 0.0891	6.44 ± 0.64	0.292	95.4	-0.24
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.1 ± 3.1	1.58	96.7	-0.17
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.187 ± 0.019	0.00998	99.3	-0.03
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.184 ± 0.018	0.0162	103	0.16
pH-value	-	7.85 ± 0.0288	7.8 ± 0.1	0.126	99.4	-0.24
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	54.8 ± 5.4	1.89	95.9	-0.21
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.56 ± 0.25	0.0525	98.5	-0.08

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.657 ± 0.0657	0.133	113	0.55

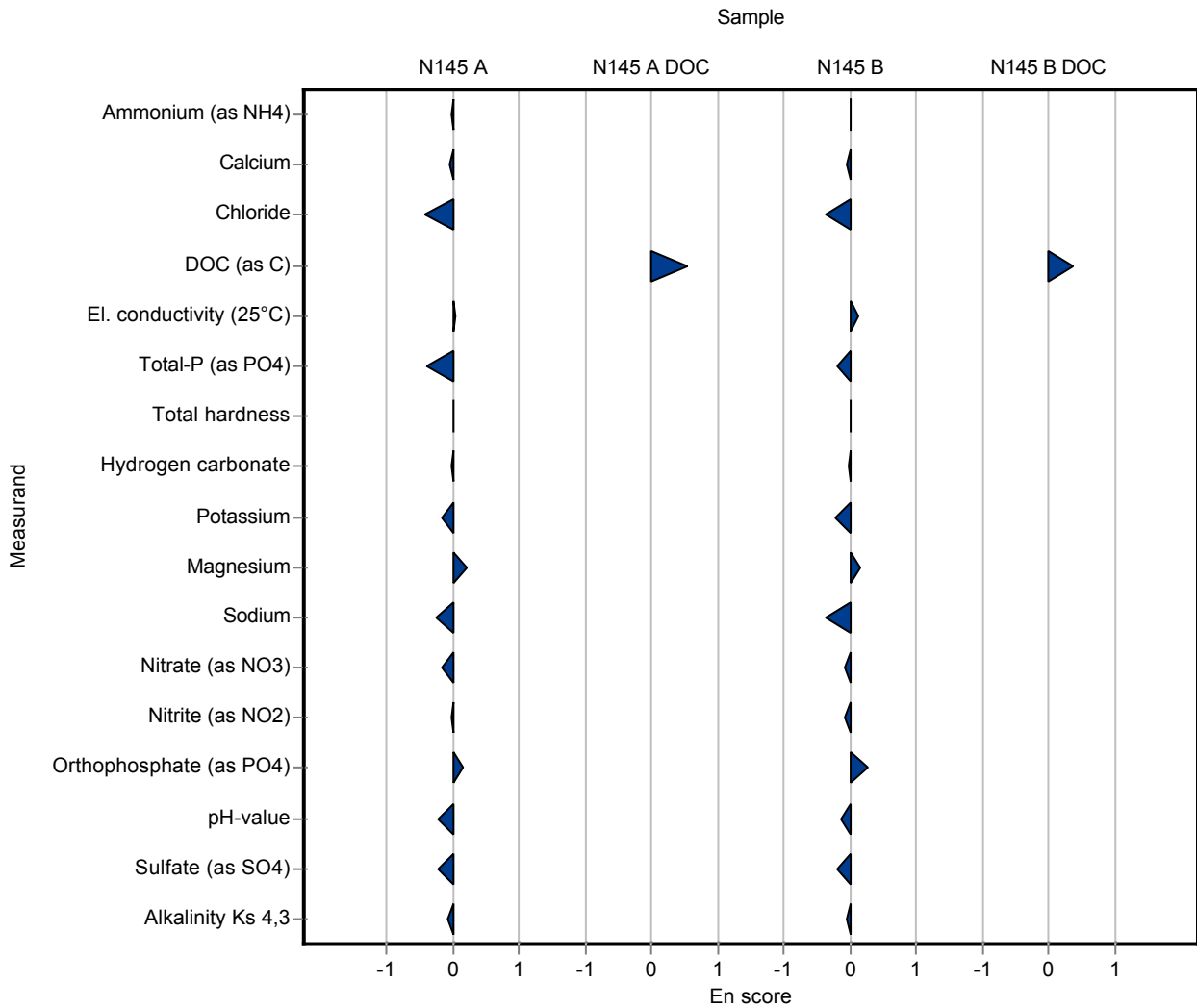
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.089 ± 0.009	0.0143	99.9	-0.01
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.7 ± 6.3	2.09	98.8	-0.06
Chloride	mg/l	28.2 ± 0.219	26.3 ± 2.6	1.07	93.3	-0.36
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 10	6.48	101	0.14
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.132 ± 0.013	0.0122	96.1	-0.20
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.22	0.0595	99.8	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	216 ± 21.6	4.7	99.7	-0.02
Potassium	mg/l	2.43 ± 0.0361	2.33 ± 0.23	0.121	95.9	-0.22
Magnesium	mg/l	14.6 ± 0.152	15.1 ± 1.5	0.523	103	0.16
Sodium	mg/l	17.4 ± 0.211	16.2 ± 1.6	0.715	93.1	-0.38
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 1.2	0.611	98.7	-0.07
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.062 ± 0.006	0.00423	98.3	-0.09
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.129 ± 0.013	0.0111	105	0.26
pH-value	-	8.13 ± 0.0204	8.1 ± 0.1	0.13	99.7	-0.13
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.6 ± 2.9	1.02	96.2	-0.20
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.54 ± 0.35	0.0725	99.1	-0.05

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.36 ± 0.236	0.21	108	0.37



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0832 ± 0.0002	0.0137	97.5	-0.16
Boron	mg/l	0.0212 ± 0.000599	0.0221 ± 0.0006	0.00212	104	0.42
Calcium	mg/l	61 ± 0.622	60.28 ± 0.856	2.15	98.8	-0.35
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.311	0.825	101	0.23
El. conductivity (25°C)	µS/cm	481 ± 1.57	484 ± 21	6.25	101	0.46
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.747 ± 0.007	0.0577	115	1.70
Total hardness	mmol/l	2.29 ± 0.0172	2.24 ± 0.001	0.0618	97.8	-0.81
Total nitrogen	mg/l	7.48 ± 0.238	8.966 ± 0.031	0.628	120	2.37
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 1.18	3.36	99.3	-0.34
Potassium	mg/l	1.18 ± 0.028	1.338 ± 0.017	0.094	114	1.71
Magnesium	mg/l	18.2 ± 0.188	18.94 ± 1.017	0.651	104	1.18
Sodium	mg/l	6.75 ± 0.0891	6.68 ± 0.045	0.292	98.9	-0.25
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.76 ± 0.111	1.58	102	0.39
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.184 ± 0.002	0.00998	97.7	-0.43
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.192 ± 0.01	0.0162	108	0.84
pH-value	-	7.85 ± 0.0288	7.75 ± 0.09	0.126	98.8	-0.78
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.14 ± 0.559	1.89	100	0.01
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.555 ± 0.019	0.0525	98.3	-0.86

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.445 ± 0.001	0.133	76.7	-1.01

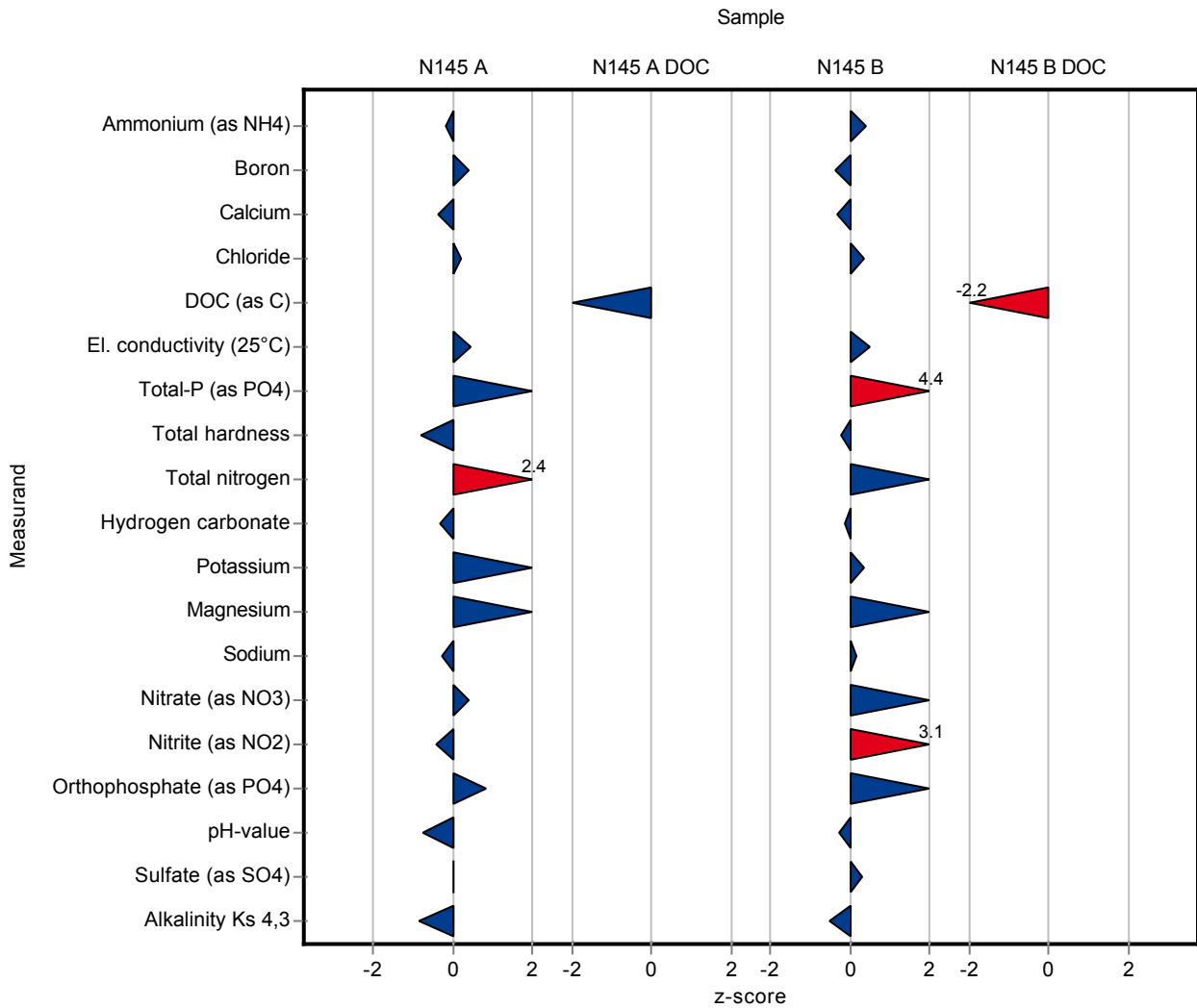
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0945 ± 0.003	0.0143	106	0.38
Boron	mg/l	0.0155 ± 0.000684	0.0149 ± 0.0006	0.00155	96.1	-0.39
Calcium	mg/l	63.5 ± 0.611	62.76 ± 1.26	2.09	98.9	-0.34
Chloride	mg/l	28.2 ± 0.219	28.54 ± 0.09	1.07	101	0.34
El. conductivity (25°C)	µS/cm	498 ± 1.43	501.5 ± 21	6.48	101	0.49
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.191 ± 0.018	0.0122	139	4.39
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.001	0.0595	99.4	-0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.483 ± 0.006	0.252	115	1.77
Hydrogen carbonate	mg/l	217 ± 1.49	216 ± 1.18	4.7	99.7	-0.16
Potassium	mg/l	2.43 ± 0.0361	2.471 ± 0.025	0.121	102	0.34
Magnesium	mg/l	14.6 ± 0.152	15.39 ± 0.346	0.523	105	1.47
Sodium	mg/l	17.4 ± 0.211	17.52 ± 0.089	0.715	101	0.16
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13.55 ± 0.065	0.611	109	1.78
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.076 ± 0.001	0.00423	120	3.06
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.143 ± 0.01	0.0111	117	1.86
pH-value	-	8.13 ± 0.0204	8.09 ± 0.09	0.13	99.6	-0.28
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.1 ± 0.09	1.02	101	0.32
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.537 ± 0.019	0.0725	99	-0.50

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.729 ± 0.011	0.21	79.2	-2.17



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0832 ± 0.0002	0.0137	97.5	-0.90
Boron	mg/l	0.0212 ± 0.000599	0.0221 ± 0.0006	0.00212	104	0.67
Calcium	mg/l	61 ± 0.622	60.28 ± 0.856	2.15	98.8	-0.41
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.311	0.825	101	0.29
El. conductivity (25°C)	µS/cm	481 ± 1.57	484 ± 21	6.25	101	0.07
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.747 ± 0.007	0.0577	115	5.35
Total hardness	mmol/l	2.29 ± 0.0172	2.24 ± 0.001	0.0618	97.8	-2.91
Total nitrogen	mg/l	7.48 ± 0.238	8.966 ± 0.031	0.628	120	6.05
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 1.18	3.36	99.3	-0.44
Potassium	mg/l	1.18 ± 0.028	1.338 ± 0.017	0.094	114	3.65
Magnesium	mg/l	18.2 ± 0.188	18.94 ± 1.017	0.651	104	0.38
Sodium	mg/l	6.75 ± 0.0891	6.68 ± 0.045	0.292	98.9	-0.58
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.76 ± 0.111	1.58	102	1.82
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.184 ± 0.002	0.00998	97.7	-0.97
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.192 ± 0.01	0.0162	108	0.67
pH-value	-	7.85 ± 0.0288	7.75 ± 0.09	0.126	98.8	-0.54
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.14 ± 0.559	1.89	100	0.01
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.555 ± 0.019	0.0525	98.3	-1.11

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.445 ± 0.001	0.133	76.7	-2.86

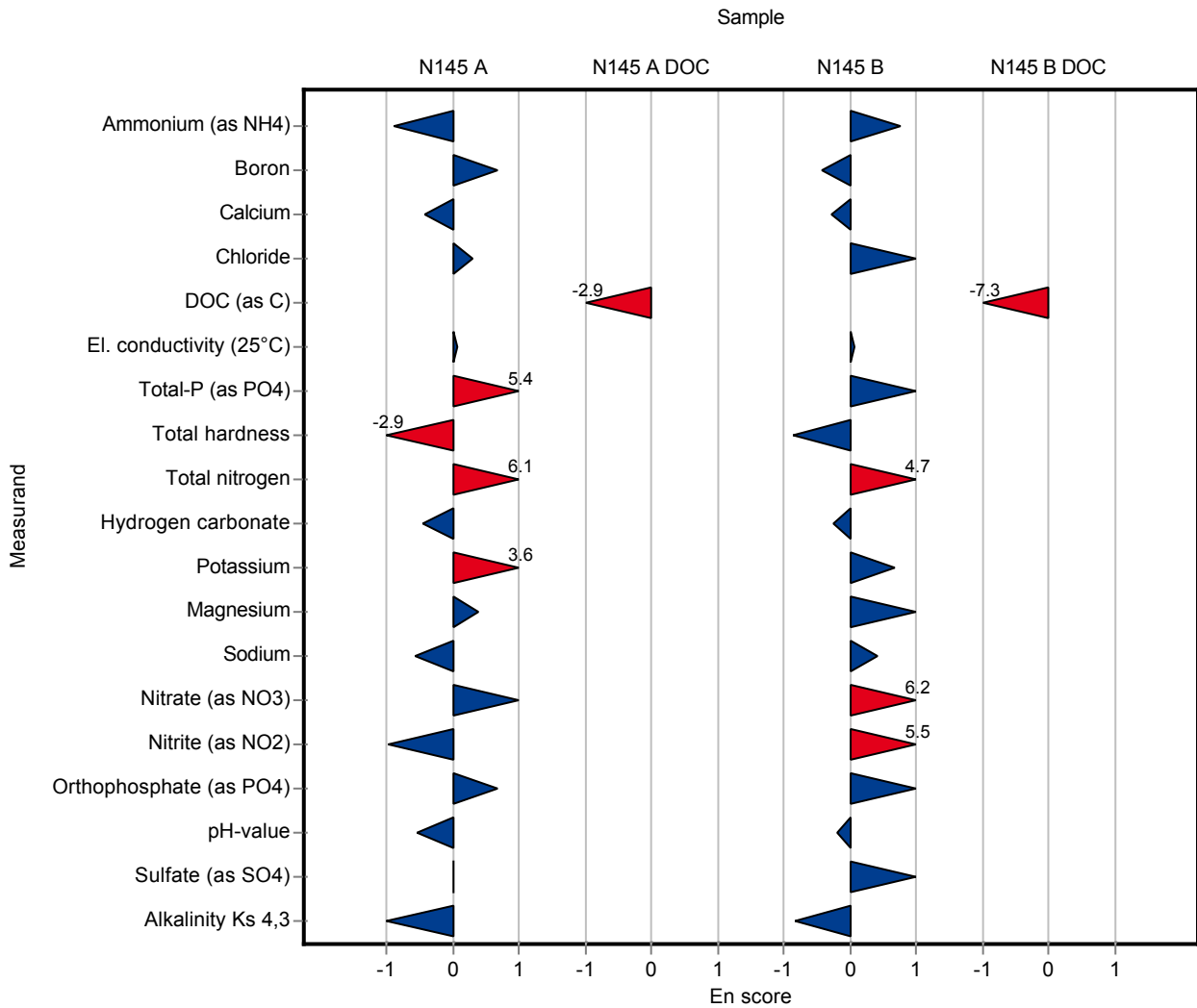
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0945 ± 0.003	0.0143	106	0.76
Boron	mg/l	0.0155 ± 0.000684	0.0149 ± 0.0006	0.00155	96.1	-0.44
Calcium	mg/l	63.5 ± 0.611	62.76 ± 1.26	2.09	98.9	-0.28
Chloride	mg/l	28.2 ± 0.219	28.54 ± 0.09	1.07	101	1.28
El. conductivity (25°C)	µS/cm	498 ± 1.43	501.5 ± 21	6.48	101	0.08
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.191 ± 0.018	0.0122	139	1.49
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.001	0.0595	99.4	-0.85

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.483 ± 0.006	0.252	115	4.65
Hydrogen carbonate	mg/l	217 ± 1.49	216 ± 1.18	4.7	99.7	-0.27
Potassium	mg/l	2.43 ± 0.0361	2.471 ± 0.025	0.121	102	0.67
Magnesium	mg/l	14.6 ± 0.152	15.39 ± 0.346	0.523	105	1.09
Sodium	mg/l	17.4 ± 0.211	17.52 ± 0.089	0.715	101	0.42
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13.55 ± 0.065	0.611	109	6.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.076 ± 0.001	0.00423	120	5.47
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.143 ± 0.01	0.0111	117	1.02
pH-value	-	8.13 ± 0.0204	8.09 ± 0.09	0.13	99.6	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.1 ± 0.09	1.02	101	1.02
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.537 ± 0.019	0.0725	99	-0.84

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.729 ± 0.011	0.21	79.2	-7.28



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.12 ± 0.006	0.0137	141	2.54
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.04 ± 3.15	2.15	103	0.93
Chloride	mg/l	21.7 ± 0.152	22.32 ± 1.12	0.825	103	0.73
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 24.1	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.659 ± 0.03295	0.0577	102	0.18
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	7.26 ± 0.36	0.628	97.1	-0.35
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	0.789 ± 0.054	0.094	67	-4.13
Magnesium	mg/l	18.2 ± 0.188	17.59 ± 0.88	0.651	96.8	-0.90
Sodium	mg/l	6.75 ± 0.0891	6.194 ± 0.31	0.292	91.7	-1.91
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.22 ± 1.66	1.58	103	0.68
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.184 ± 0.009	0.00998	97.7	-0.43
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.163 ± 0.0082	0.0162	91.4	-0.94
pH-value	-	7.85 ± 0.0288	7.64 ± 0.23	0.126	97.4	-1.65
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	58.09 ± 2.9	1.89	102	0.51
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.13	0.0525	100	-0.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (BG) ± -	0.133	-	-

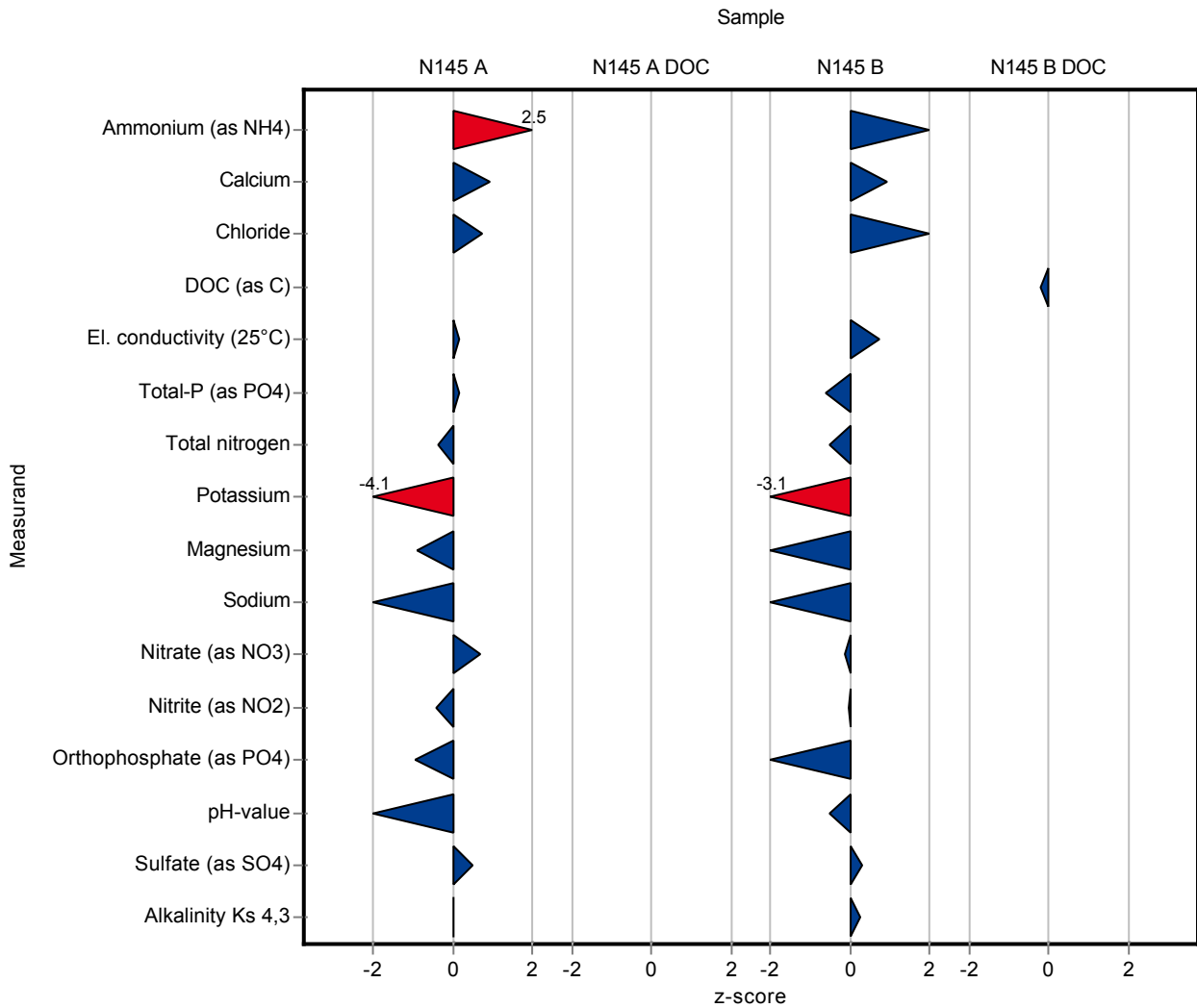
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.105 ± 0.005	0.0143	118	1.11
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	65.38 ± 3.28	2.09	103	0.91
Chloride	mg/l	28.2 ± 0.219	29.31 ± 1.47	1.07	104	1.06
El. conductivity (25°C)	µS/cm	498 ± 1.43	503 ± 25.2	6.48	101	0.73
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.13 ± 0.006	0.0122	94.7	-0.60
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.9 ± 0.15	0.252	95.5	-0.54
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.06 ± 0.1	0.121	84.8	-3.06
Magnesium	mg/l	14.6 ± 0.152	14.07 ± 0.7	0.523	96.2	-1.05
Sodium	mg/l	17.4 ± 0.211	16.28 ± 0.81	0.715	93.5	-1.57
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.39 ± 0.62	0.611	99.4	-0.12
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.063 ± 0.003	0.00423	99.9	-0.02
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.109 ± 0.0054	0.0111	89.1	-1.19
pH-value	-	8.13 ± 0.0204	8.06 ± 0.4	0.13	99.2	-0.51
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.06 ± 1.55	1.02	101	0.28
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.18	0.0725	100	0.23

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.14 ± 0.11	0.21	98	-0.20



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.12 ± 0.006	0.0137	141	2.83
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.04 ± 3.15	2.15	103	0.32
Chloride	mg/l	21.7 ± 0.152	22.32 ± 1.12	0.825	103	0.27
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 24.1	6.25	100	0.02
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.659 ± 0.03295	0.0577	102	0.15
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	7.26 ± 0.36	0.628	97.1	-0.29
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	0.789 ± 0.054	0.094	67	-3.48
Magnesium	mg/l	18.2 ± 0.188	17.59 ± 0.88	0.651	96.8	-0.33
Sodium	mg/l	6.75 ± 0.0891	6.194 ± 0.31	0.292	91.7	-0.89
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.22 ± 1.66	1.58	103	0.32
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.184 ± 0.009	0.00998	97.7	-0.23
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.163 ± 0.0082	0.0162	91.4	-0.91
pH-value	-	7.85 ± 0.0288	7.64 ± 0.23	0.126	97.4	-0.45
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	58.09 ± 2.9	1.89	102	0.17
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.13	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (BG) ± -	0.133	-	-

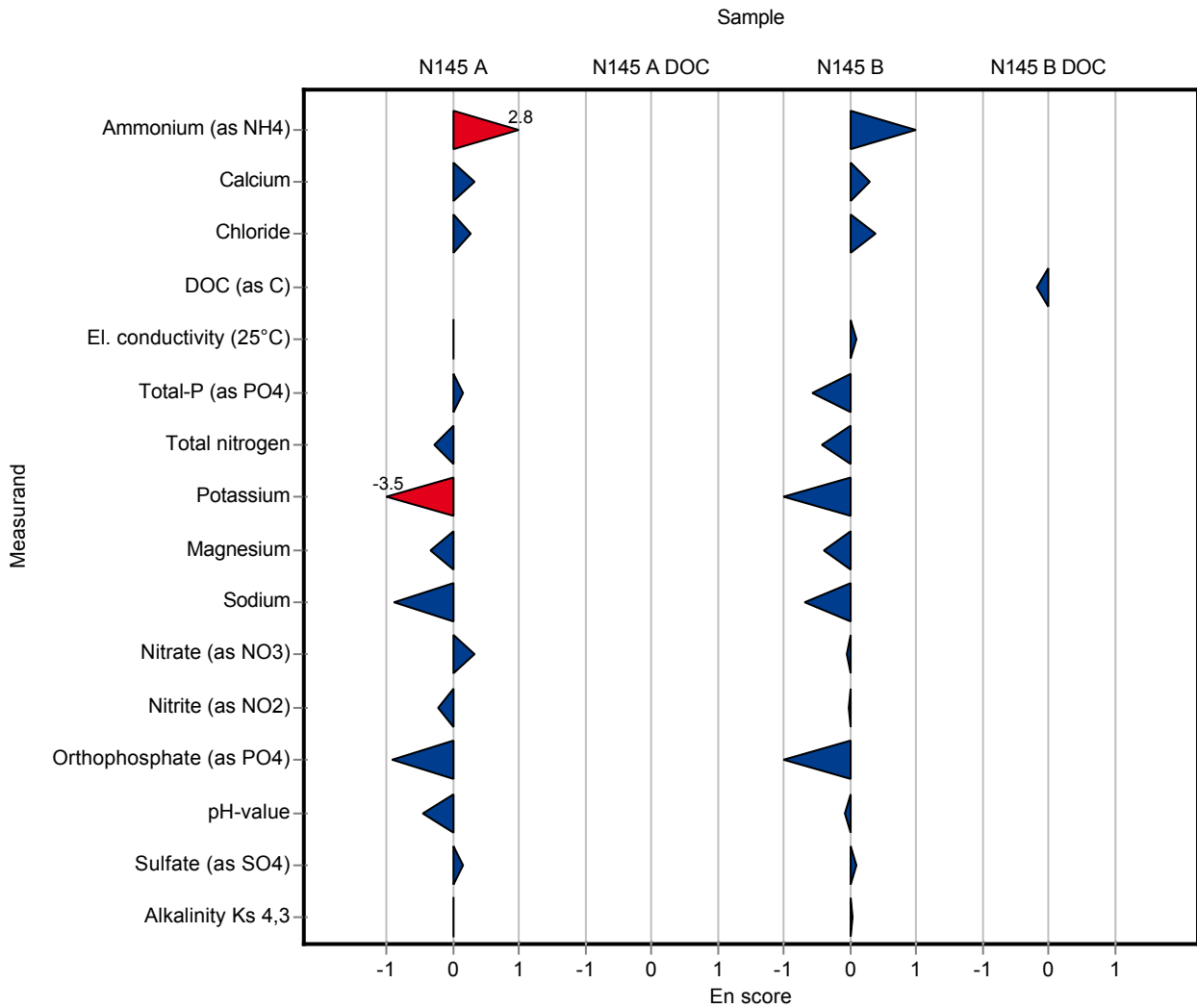
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.105 ± 0.005	0.0143	118	1.49
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	65.38 ± 3.28	2.09	103	0.29
Chloride	mg/l	28.2 ± 0.219	29.31 ± 1.47	1.07	104	0.38
El. conductivity (25°C)	µS/cm	498 ± 1.43	503 ± 25.2	6.48	101	0.09
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.13 ± 0.006	0.0122	94.7	-0.59
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.9 ± 0.15	0.252	95.5	-0.44
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.06 ± 0.1	0.121	84.8	-1.82
Magnesium	mg/l	14.6 ± 0.152	14.07 ± 0.7	0.523	96.2	-0.39
Sodium	mg/l	17.4 ± 0.211	16.28 ± 0.81	0.715	93.5	-0.69
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.39 ± 0.62	0.611	99.4	-0.06
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.063 ± 0.003	0.00423	99.9	-0.01
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.109 ± 0.0054	0.0111	89.1	-1.18
pH-value	-	8.13 ± 0.0204	8.06 ± 0.4	0.13	99.2	-0.08
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.06 ± 1.55	1.02	101	0.09
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.18	0.0725	100	0.05

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.14 ± 0.11	0.21	98	-0.19



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.41 ± 0.241	0.0618	105	1.93
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 15.8	3.36	101	0.25
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.258	0.0525	99.2	-0.39

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

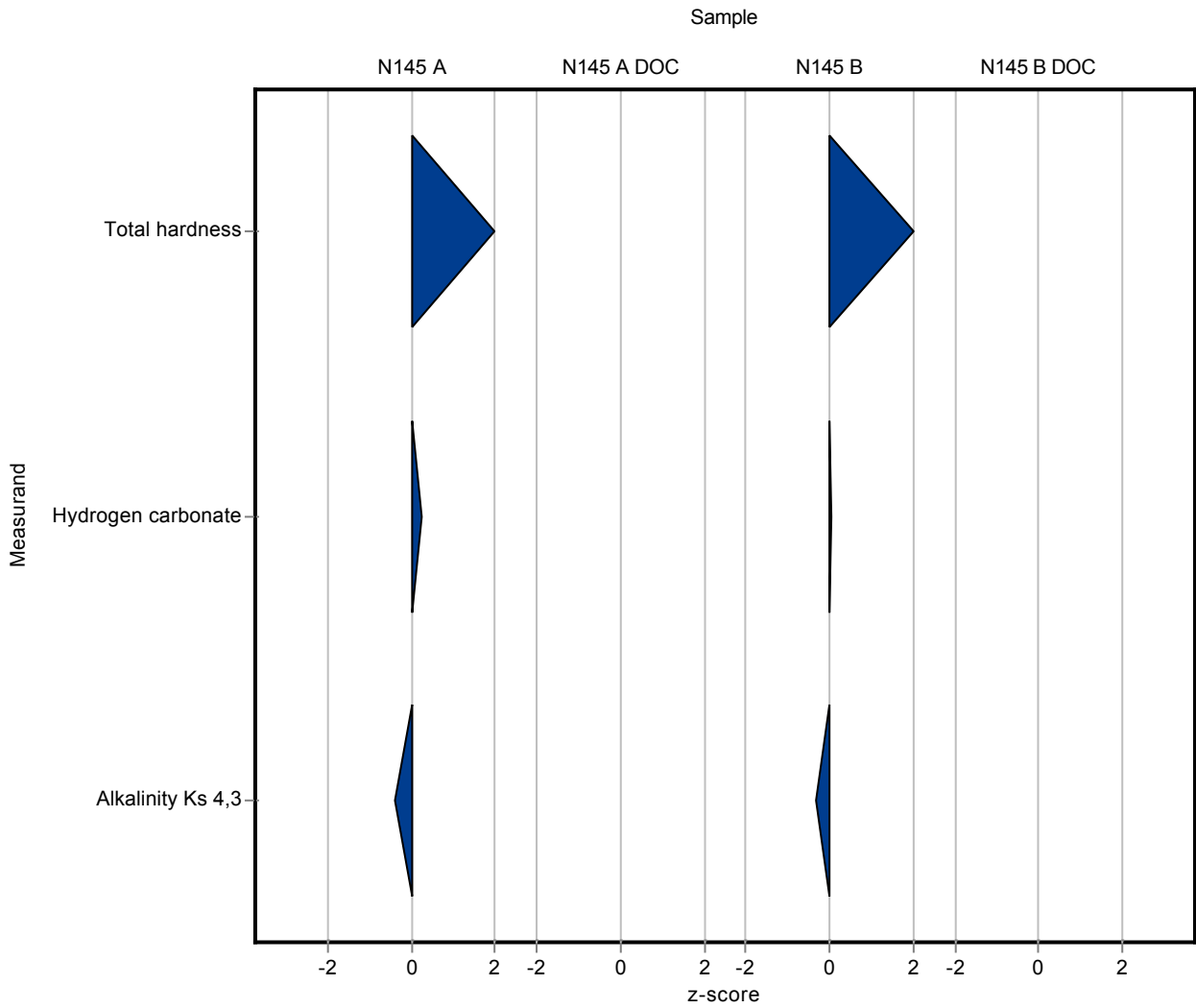
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.3 ± 0.23	0.0595	104	1.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	217 ± 21.7	4.7	100	0.06
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.355	0.0725	99.4	-0.32

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.41 ± 0.241	0.0618	105	0.25
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 15.8	3.36	101	0.03
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.258	0.0525	99.2	-0.04

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

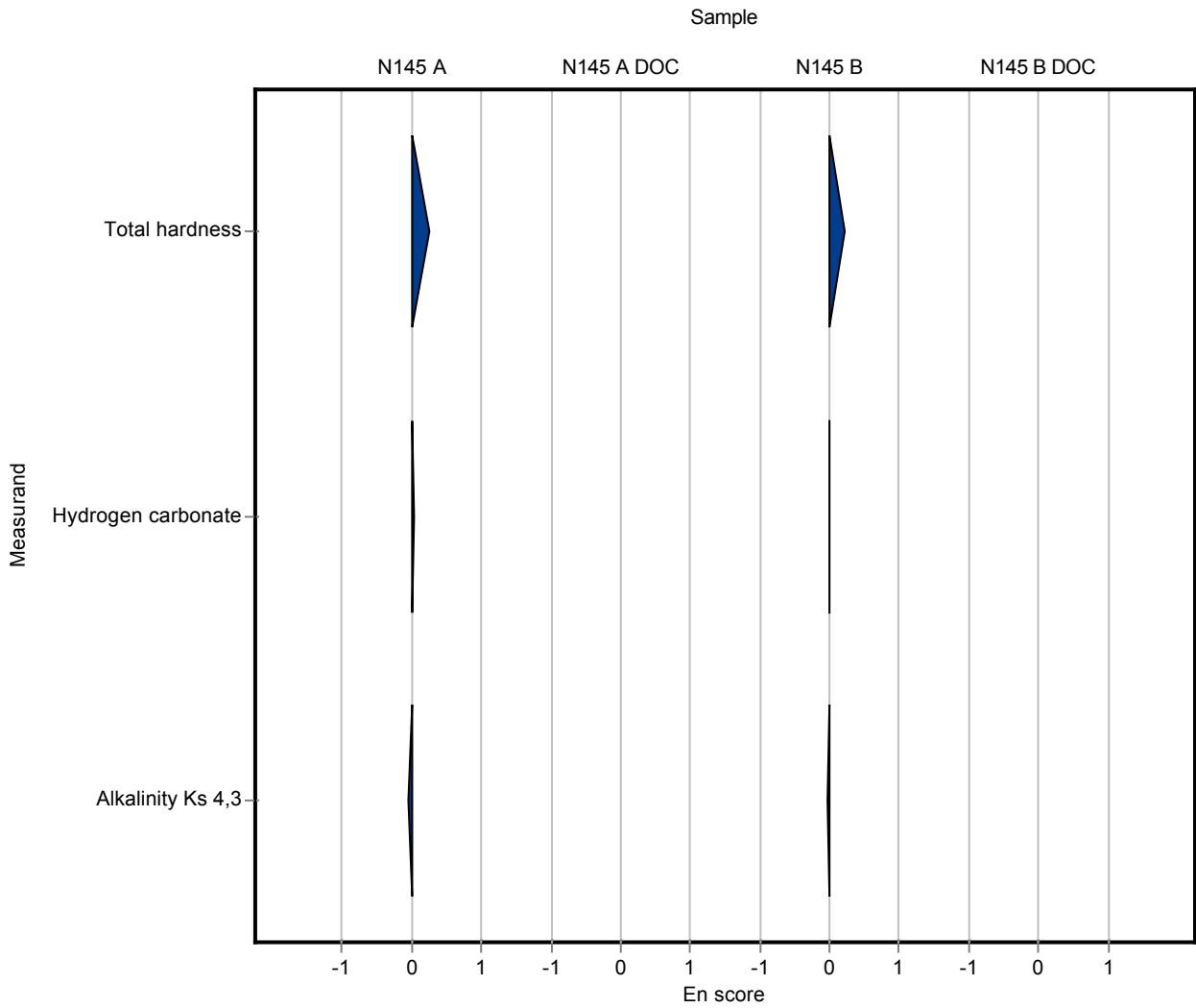
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.3 ± 0.23	0.0595	104	0.21

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	217 ± 21.7	4.7	100	0.01
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.355	0.0725	99.4	-0.03

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.083 ± 0.011	0.0137	97.2	-0.17
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61.5 ± 5	2.15	101	0.21
Chloride	mg/l	21.7 ± 0.152	22 ± 2	0.825	101	0.35
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± 20	6.25	100	-0.02
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.663 ± 0.08	0.0577	102	0.25
Total hardness	mmol/l	2.29 ± 0.0172	2.27 ± 0.1	0.0618	99.1	-0.33
Total nitrogen	mg/l	7.48 ± 0.238	6.96 ± 0.6	0.628	93.1	-0.83
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 7	3.36	99.3	-0.34
Potassium	mg/l	1.18 ± 0.028	1.22 ± 0.2	0.094	104	0.45
Magnesium	mg/l	18.2 ± 0.188	18 ± 2.2	0.651	99.1	-0.27
Sodium	mg/l	6.75 ± 0.0891	6.74 ± 1.1	0.292	99.8	-0.05
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.4 ± 3	1.58	104	0.79
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.195 ± 0.02	0.00998	104	0.68
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.182 ± 0.03	0.0162	102	0.23
pH-value	-	7.85 ± 0.0288	7.9 ± 0.4	0.126	101	0.42
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.5 ± 4	1.89	98.9	-0.33
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.61 ± 0.2	0.0525	100	0.18

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.51 ± 0.08	0.133	87.9	-0.53

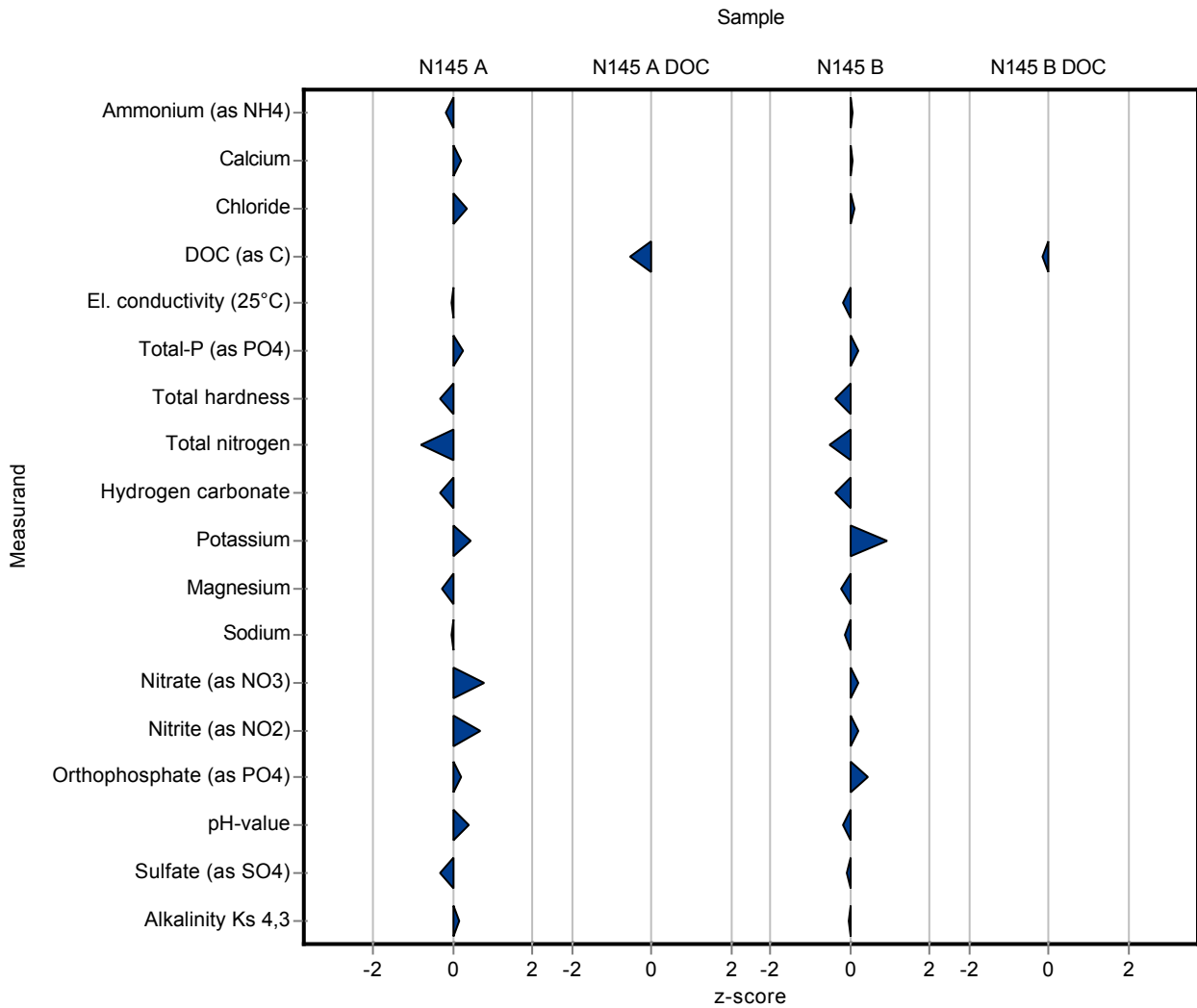
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.09 ± 0.012	0.0143	101	0.06
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	63.6 ± 6	2.09	100	0.06
Chloride	mg/l	28.2 ± 0.219	28.3 ± 2	1.07	100	0.12
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 20	6.48	99.7	-0.20
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.14 ± 0.02	0.0122	102	0.22
Total hardness	mmol/l	2.2 ± 0.0157	2.18 ± 0.1	0.0595	98.9	-0.39

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.9 ± 0.3	0.252	95.5	-0.54
Hydrogen carbonate	mg/l	217 ± 1.49	215 ± 9	4.7	99.2	-0.37
Potassium	mg/l	2.43 ± 0.0361	2.54 ± 0.4	0.121	105	0.91
Magnesium	mg/l	14.6 ± 0.152	14.5 ± 1.8	0.523	99.2	-0.23
Sodium	mg/l	17.4 ± 0.211	17.3 ± 2.6	0.715	99.4	-0.15
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.9	0.611	101	0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.005	0.00423	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.127 ± 0.02	0.0111	104	0.42
pH-value	-	8.13 ± 0.0204	8.1 ± 0.4	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 2	1.02	99.7	-0.08
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.57 ± 0.2	0.0725	99.9	-0.04

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.15 ± 0.4	0.21	98.5	-0.16



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.083 ± 0.011	0.0137	97.2	-0.11
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61.5 ± 5	2.15	101	0.05
Chloride	mg/l	21.7 ± 0.152	22 ± 2	0.825	101	0.07
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± 20	6.25	100	0.00
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.663 ± 0.08	0.0577	102	0.09
Total hardness	mmol/l	2.29 ± 0.0172	2.27 ± 0.1	0.0618	99.1	-0.10
Total nitrogen	mg/l	7.48 ± 0.238	6.96 ± 0.6	0.628	93.1	-0.42
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 7	3.36	99.3	-0.08
Potassium	mg/l	1.18 ± 0.028	1.22 ± 0.2	0.094	104	0.11
Magnesium	mg/l	18.2 ± 0.188	18 ± 2.2	0.651	99.1	-0.04
Sodium	mg/l	6.75 ± 0.0891	6.74 ± 1.1	0.292	99.8	-0.01
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.4 ± 3	1.58	104	0.21
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.195 ± 0.02	0.00998	104	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.182 ± 0.03	0.0162	102	0.06
pH-value	-	7.85 ± 0.0288	7.9 ± 0.4	0.126	101	0.07
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.5 ± 4	1.89	98.9	-0.08
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.61 ± 0.2	0.0525	100	0.02

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.51 ± 0.08	0.133	87.9	-0.42

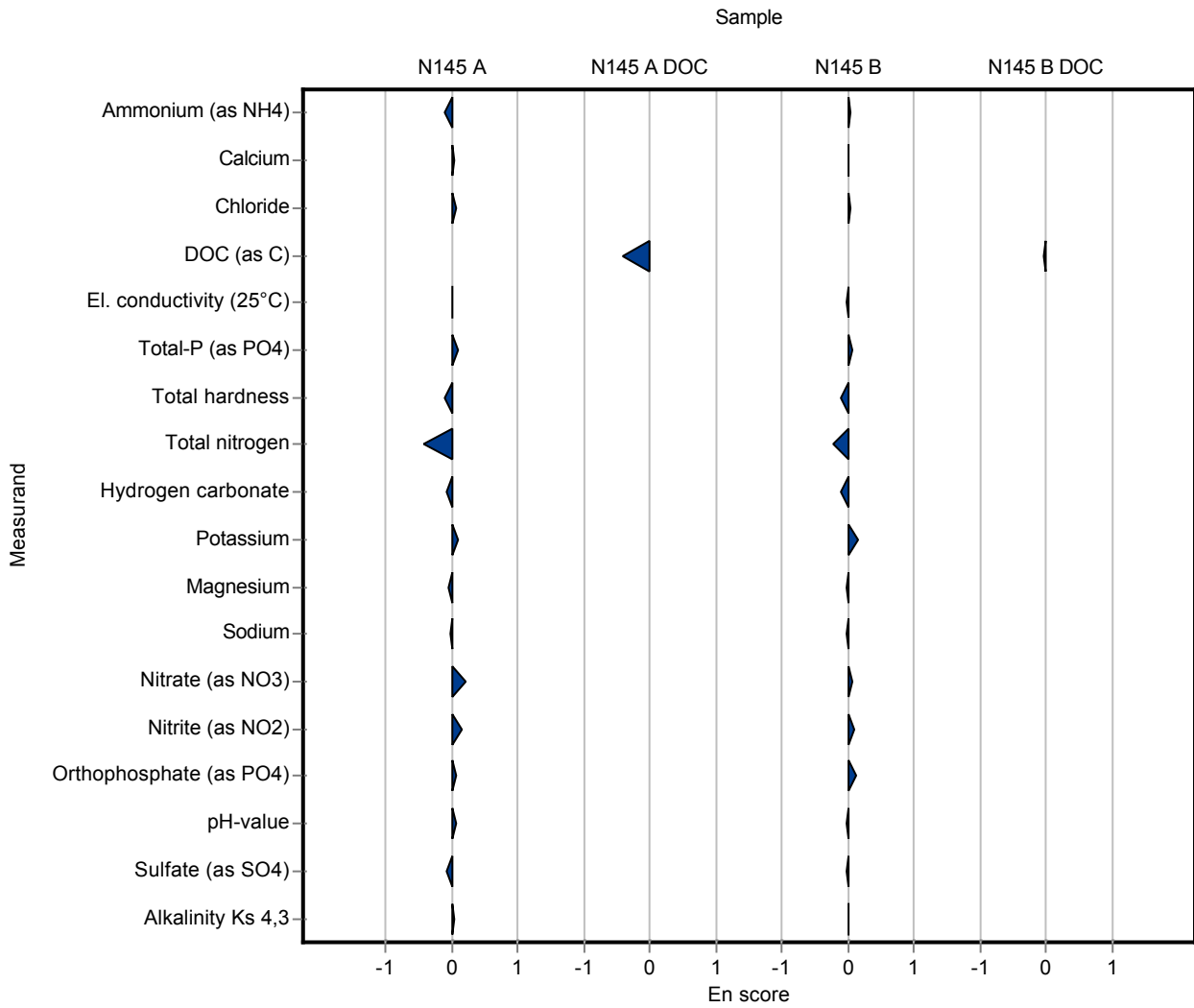
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.09 ± 0.012	0.0143	101	0.04
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	63.6 ± 6	2.09	100	0.01
Chloride	mg/l	28.2 ± 0.219	28.3 ± 2	1.07	100	0.03
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 20	6.48	99.7	-0.03
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.14 ± 0.02	0.0122	102	0.07
Total hardness	mmol/l	2.2 ± 0.0157	2.18 ± 0.1	0.0595	98.9	-0.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.9 ± 0.3	0.252	95.5	-0.23
Hydrogen carbonate	mg/l	217 ± 1.49	215 ± 9	4.7	99.2	-0.10
Potassium	mg/l	2.43 ± 0.0361	2.54 ± 0.4	0.121	105	0.14
Magnesium	mg/l	14.6 ± 0.152	14.5 ± 1.8	0.523	99.2	-0.03
Sodium	mg/l	17.4 ± 0.211	17.3 ± 2.6	0.715	99.4	-0.02
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.9	0.611	101	0.08
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.005	0.00423	101	0.09
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.127 ± 0.02	0.0111	104	0.12
pH-value	-	8.13 ± 0.0204	8.1 ± 0.4	0.13	99.7	-0.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 2	1.02	99.7	-0.02
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.57 ± 0.2	0.0725	99.9	-0.01

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.15 ± 0.4	0.21	98.5	-0.04



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.085 ± 0.01	0.0137	99.6	-0.03
Boron	mg/l	0.0212 ± 0.000599	0.02 ± 0.01	0.00212	94.3	-0.57
Calcium	mg/l	61 ± 0.622	60 ± 2	2.15	98.3	-0.48
Chloride	mg/l	21.7 ± 0.152	22 ± 2	0.825	101	0.35
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± 3	6.25	100	-0.02
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.65 ± 0.02	0.0577	100	0.02
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.18	0.0618	98.2	-0.65
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 4	3.36	99.3	-0.34
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.5	0.094	102	0.24
Magnesium	mg/l	18.2 ± 0.188	18 ± 1	0.651	99.1	-0.27
Sodium	mg/l	6.75 ± 0.0891	6.6 ± 1	0.292	97.7	-0.52
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 2	1.58	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.18 ± 0.01	0.00998	95.6	-0.83
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.8 ± 0.1	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57 ± 3	1.89	99.8	-0.07
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.55 ± 0.1	0.0525	98.1	-0.96

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.1	0.133	86.2	-0.60

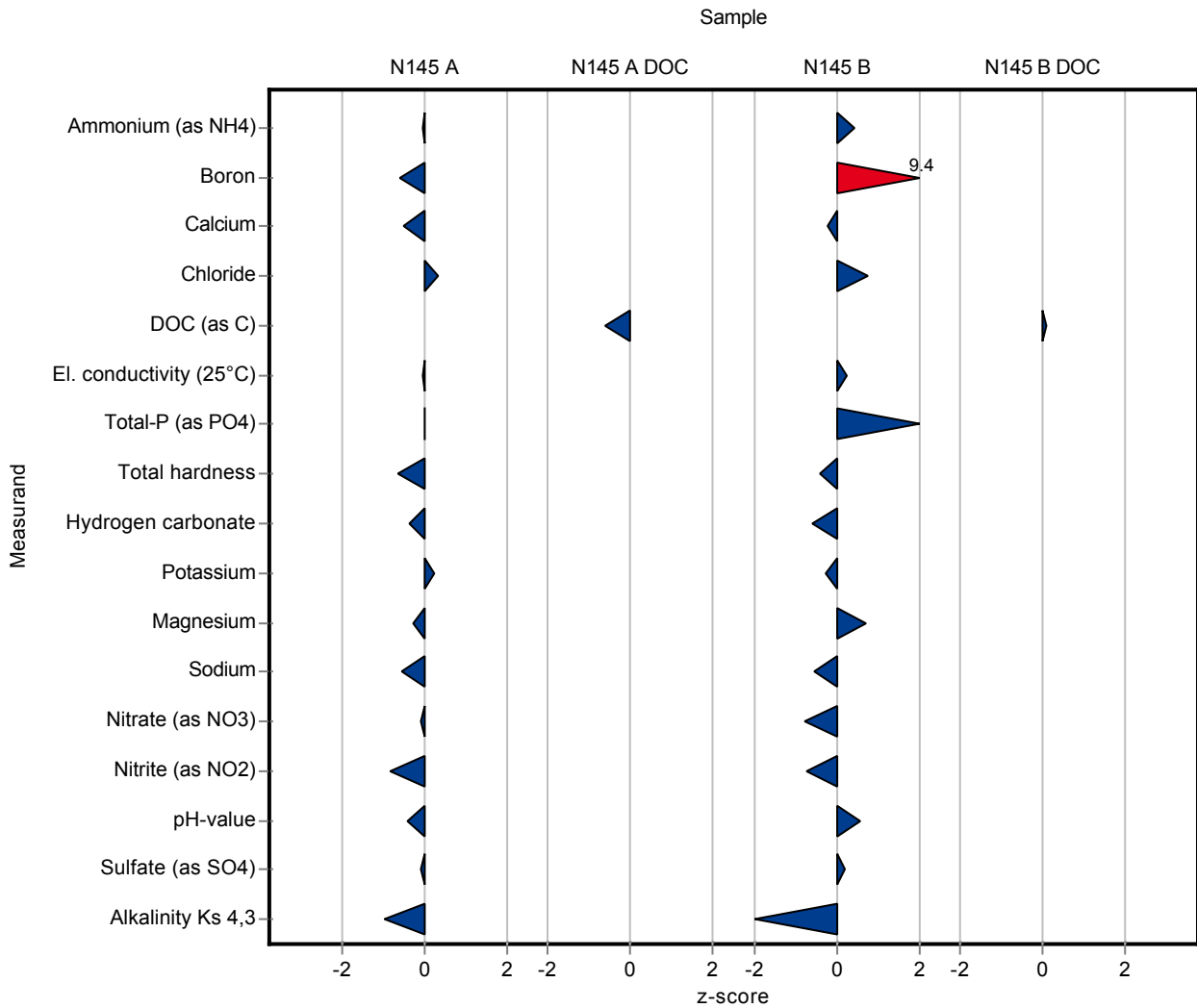
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.01	0.0143	107	0.41
Boron	mg/l	0.0155 ± 0.000684	0.03 ± 0.01	0.00155	193	9.35
Calcium	mg/l	63.5 ± 0.611	63 ± 2	2.09	99.2	-0.23
Chloride	mg/l	28.2 ± 0.219	29 ± 2	1.07	103	0.77
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± 3	6.48	100	0.26
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.15 ± 0.02	0.0122	109	1.04
Total hardness	mmol/l	2.2 ± 0.0157	2.18 ± 0.18	0.0595	98.9	-0.39

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 5	4.7	98.7	-0.58
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.5	0.121	98.8	-0.25
Magnesium	mg/l	14.6 ± 0.152	15 ± 1	0.523	103	0.73
Sodium	mg/l	17.4 ± 0.211	17 ± 1	0.715	97.7	-0.56
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1	0.611	96.3	-0.76
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.01	0.00423	95.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.1	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31 ± 2	1.02	101	0.22
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.5 ± 0.1	0.0725	98	-1.01

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.2 ± 0.2	0.21	101	0.08



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.085 ± 0.01	0.0137	99.6	-0.02
Boron	mg/l	0.0212 ± 0.000599	0.02 ± 0.01	0.00212	94.3	-0.06
Calcium	mg/l	61 ± 0.622	60 ± 2	2.15	98.3	-0.26
Chloride	mg/l	21.7 ± 0.152	22 ± 2	0.825	101	0.07
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± 3	6.25	100	-0.02
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.65 ± 0.02	0.0577	100	0.03
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.18	0.0618	98.2	-0.11
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 4	3.36	99.3	-0.14
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.5	0.094	102	0.02
Magnesium	mg/l	18.2 ± 0.188	18 ± 1	0.651	99.1	-0.09
Sodium	mg/l	6.75 ± 0.0891	6.6 ± 1	0.292	97.7	-0.08
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 2	1.58	99.5	-0.04
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.18 ± 0.01	0.00998	95.6	-0.41
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.8 ± 0.1	0.126	99.4	-0.24
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57 ± 3	1.89	99.8	-0.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.55 ± 0.1	0.0525	98.1	-0.25

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.1	0.133	86.2	-0.39

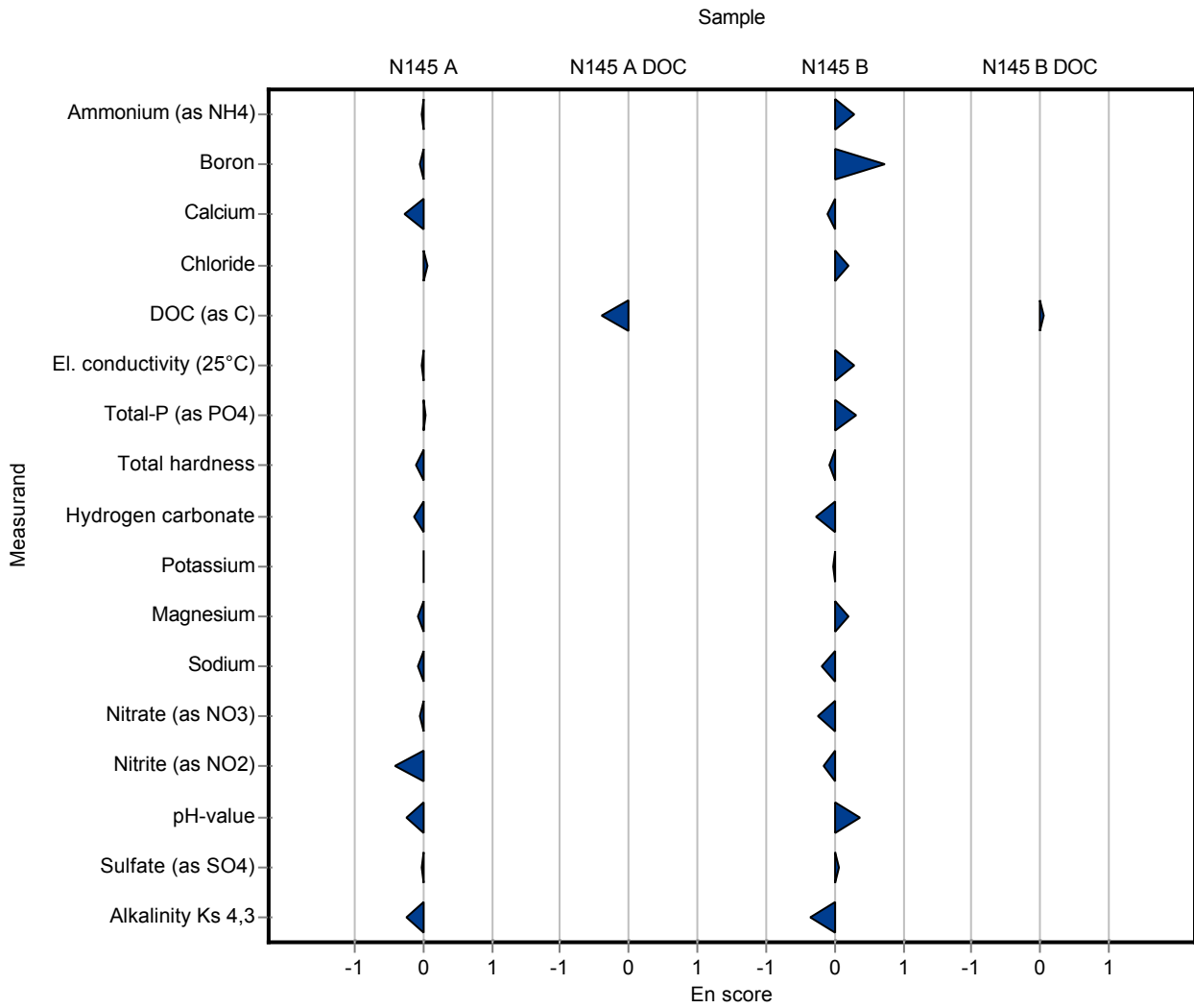
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.01	0.0143	107	0.29
Boron	mg/l	0.0155 ± 0.000684	0.03 ± 0.01	0.00155	193	0.72
Calcium	mg/l	63.5 ± 0.611	63 ± 2	2.09	99.2	-0.12
Chloride	mg/l	28.2 ± 0.219	29 ± 2	1.07	103	0.20
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± 3	6.48	100	0.28
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.15 ± 0.02	0.0122	109	0.32
Total hardness	mmol/l	2.2 ± 0.0157	2.18 ± 0.18	0.0595	98.9	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 5	4.7	98.7	-0.27
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.5	0.121	98.8	-0.03
Magnesium	mg/l	14.6 ± 0.152	15 ± 1	0.523	103	0.19
Sodium	mg/l	17.4 ± 0.211	17 ± 1	0.715	97.7	-0.20
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1	0.611	96.3	-0.23
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.01	0.00423	95.1	-0.15
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.1	0.13	101	0.37
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31 ± 2	1.02	101	0.06
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.5 ± 0.1	0.0725	98	-0.36

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.2 ± 0.2	0.21	101	0.04



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.091 ± 0.014	0.0137	107	0.41
Boron	mg/l	0.0212 ± 0.000599	<0.05 (BG) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	64.3 ± 4.5	2.15	105	1.51
Chloride	mg/l	21.7 ± 0.152	21.6 ± 0.862	0.825	99.5	-0.14
El. conductivity (25°C)	µS/cm	481 ± 1.57	478 ± 14.3	6.25	99.4	-0.50
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.602 ± 0.066	0.0577	92.8	-0.81
Total hardness	mmol/l	2.29 ± 0.0172	2.38 ± 0.19	0.0618	104	1.45
Total nitrogen	mg/l	7.48 ± 0.238	7.35 ± 1.54	0.628	98.3	-0.21
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± 7.98	3.36	102	0.85
Potassium	mg/l	1.18 ± 0.028	1.12 ± 0.146	0.094	95.1	-0.61
Magnesium	mg/l	18.2 ± 0.188	19 ± 1.52	0.651	105	1.27
Sodium	mg/l	6.75 ± 0.0891	6.15 ± 0.431	0.292	91.1	-2.06
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.4 ± 2.83	1.58	97.7	-0.48
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.04	0.00998	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.377 ± 0.03	0.0162	211	12.20
pH-value	-	7.85 ± 0.0288	7.74 ± 0.232	0.126	98.6	-0.86
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.1 ± 2.86	1.89	99.9	-0.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.62 ± 0.131	0.0525	101	0.38

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.78 ± 0.156	0.133	134	1.50

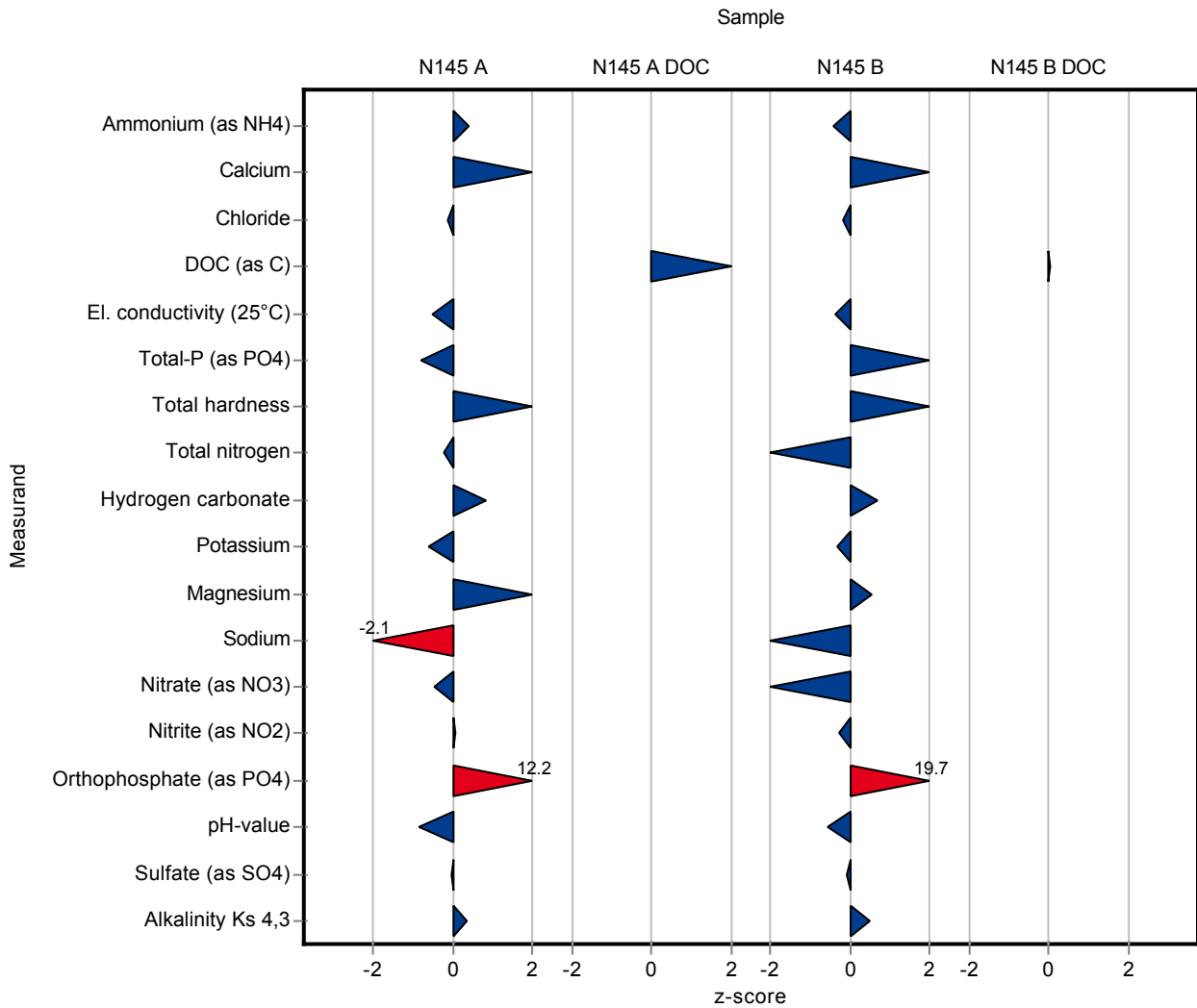
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.083 ± 0.012	0.0143	93.1	-0.43
Boron	mg/l	0.0155 ± 0.000684	<0.05 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	67.4 ± 4.72	2.09	106	1.87
Chloride	mg/l	28.2 ± 0.219	28 ± 1.12	1.07	99.4	-0.17
El. conductivity (25°C)	µS/cm	498 ± 1.43	496 ± 14.9	6.48	99.5	-0.35
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.158 ± 0.017	0.0122	115	1.69
Total hardness	mmol/l	2.2 ± 0.0157	2.28 ± 0.182	0.0595	103	1.29

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.78 ± 0.584	0.252	91.5	-1.02
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 11	4.7	102	0.69
Potassium	mg/l	2.43 ± 0.0361	2.39 ± 0.31	0.121	98.4	-0.33
Magnesium	mg/l	14.6 ± 0.152	14.9 ± 1.19	0.523	102	0.54
Sodium	mg/l	17.4 ± 0.211	16 ± 1.12	0.715	91.9	-1.96
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.7 ± 1.06	0.611	93.9	-1.25
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0619 ± 0.013	0.00423	98.1	-0.28
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.342 ± 0.027	0.0111	280	19.70
pH-value	-	8.13 ± 0.0204	8.05 ± 0.242	0.13	99.1	-0.58
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 1.54	1.02	99.7	-0.08
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.61 ± 0.18	0.0725	101	0.51

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.19 ± 0.438	0.21	100	0.03



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.091 ± 0.014	0.0137	107	0.20
Boron	mg/l	0.0212 ± 0.000599	<0.05 (BG) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	64.3 ± 4.5	2.15	105	0.36
Chloride	mg/l	21.7 ± 0.152	21.6 ± 0.862	0.825	99.5	-0.07
El. conductivity (25°C)	µS/cm	481 ± 1.57	478 ± 14.3	6.25	99.4	-0.11
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.602 ± 0.066	0.0577	92.8	-0.35
Total hardness	mmol/l	2.29 ± 0.0172	2.38 ± 0.19	0.0618	104	0.24
Total nitrogen	mg/l	7.48 ± 0.238	7.35 ± 1.54	0.628	98.3	-0.04
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± 7.98	3.36	102	0.18
Potassium	mg/l	1.18 ± 0.028	1.12 ± 0.146	0.094	95.1	-0.20
Magnesium	mg/l	18.2 ± 0.188	19 ± 1.52	0.651	105	0.27
Sodium	mg/l	6.75 ± 0.0891	6.15 ± 0.431	0.292	91.1	-0.70
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.4 ± 2.83	1.58	97.7	-0.13
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.04	0.00998	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.377 ± 0.03	0.0162	211	3.31
pH-value	-	7.85 ± 0.0288	7.74 ± 0.232	0.126	98.6	-0.23
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.1 ± 2.86	1.89	99.9	-0.01
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.62 ± 0.131	0.0525	101	0.08

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.78 ± 0.156	0.133	134	0.63

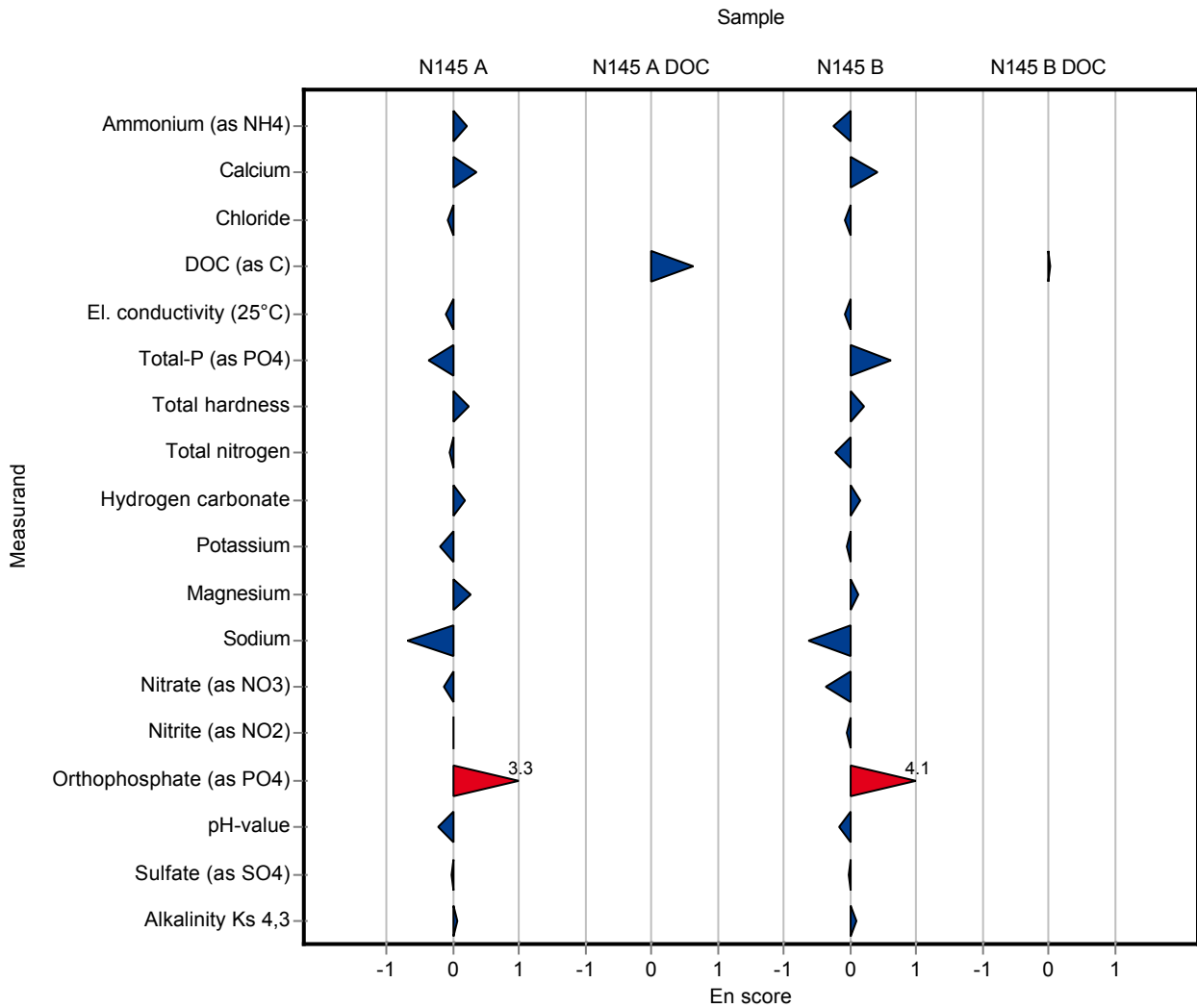
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.083 ± 0.012	0.0143	93.1	-0.25
Boron	mg/l	0.0155 ± 0.000684	<0.05 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	67.4 ± 4.72	2.09	106	0.41
Chloride	mg/l	28.2 ± 0.219	28 ± 1.12	1.07	99.4	-0.08
El. conductivity (25°C)	µS/cm	498 ± 1.43	496 ± 14.9	6.48	99.5	-0.08
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.158 ± 0.017	0.0122	115	0.61
Total hardness	mmol/l	2.2 ± 0.0157	2.28 ± 0.182	0.0595	103	0.21

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.78 ± 0.584	0.252	91.5	-0.22
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 11	4.7	102	0.15
Potassium	mg/l	2.43 ± 0.0361	2.39 ± 0.31	0.121	98.4	-0.06
Magnesium	mg/l	14.6 ± 0.152	14.9 ± 1.19	0.523	102	0.12
Sodium	mg/l	17.4 ± 0.211	16 ± 1.12	0.715	91.9	-0.62
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.7 ± 1.06	0.611	93.9	-0.36
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0619 ± 0.013	0.00423	98.1	-0.05
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.342 ± 0.027	0.0111	280	4.06
pH-value	-	8.13 ± 0.0204	8.05 ± 0.242	0.13	99.1	-0.16
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 1.54	1.02	99.7	-0.03
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.61 ± 0.18	0.0725	101	0.10

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.19 ± 0.438	0.21	100	0.01



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.045 ± 0.0018	0.0137	52.7	-2.95
Boron	mg/l	0.0212 ± 0.000599	0.091 ± 0.005	0.00212	429	32.90
Calcium	mg/l	61 ± 0.622	60.6 ± 3.1	2.15	99.3	-0.20
Chloride	mg/l	21.7 ± 0.152	21.3 ± 1.5	0.825	98.1	-0.50
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 5.2	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.224 ± 0.013	0.0577	34.5	-7.36
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.14	0.0618	99.5	-0.17
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	161 ± 8.1	3.36	102	1.15
Potassium	mg/l	1.18 ± 0.028	1.28 ± 0.07	0.094	109	1.09
Magnesium	mg/l	18.2 ± 0.188	18.6 ± 0.76	0.651	102	0.66
Sodium	mg/l	6.75 ± 0.0891	6.76 ± 0.4	0.292	100	0.02
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.2 ± 2.7	1.58	100	0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.011	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.168 ± 0.009	0.0162	94.2	-0.64
pH-value	-	7.85 ± 0.0288	7.84 ± 0.05	0.126	99.9	-0.06
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.4 ± 3.66	1.89	98.7	-0.39
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.13	0.0525	102	0.76

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.24 ± 0.34	0.133	214	4.95

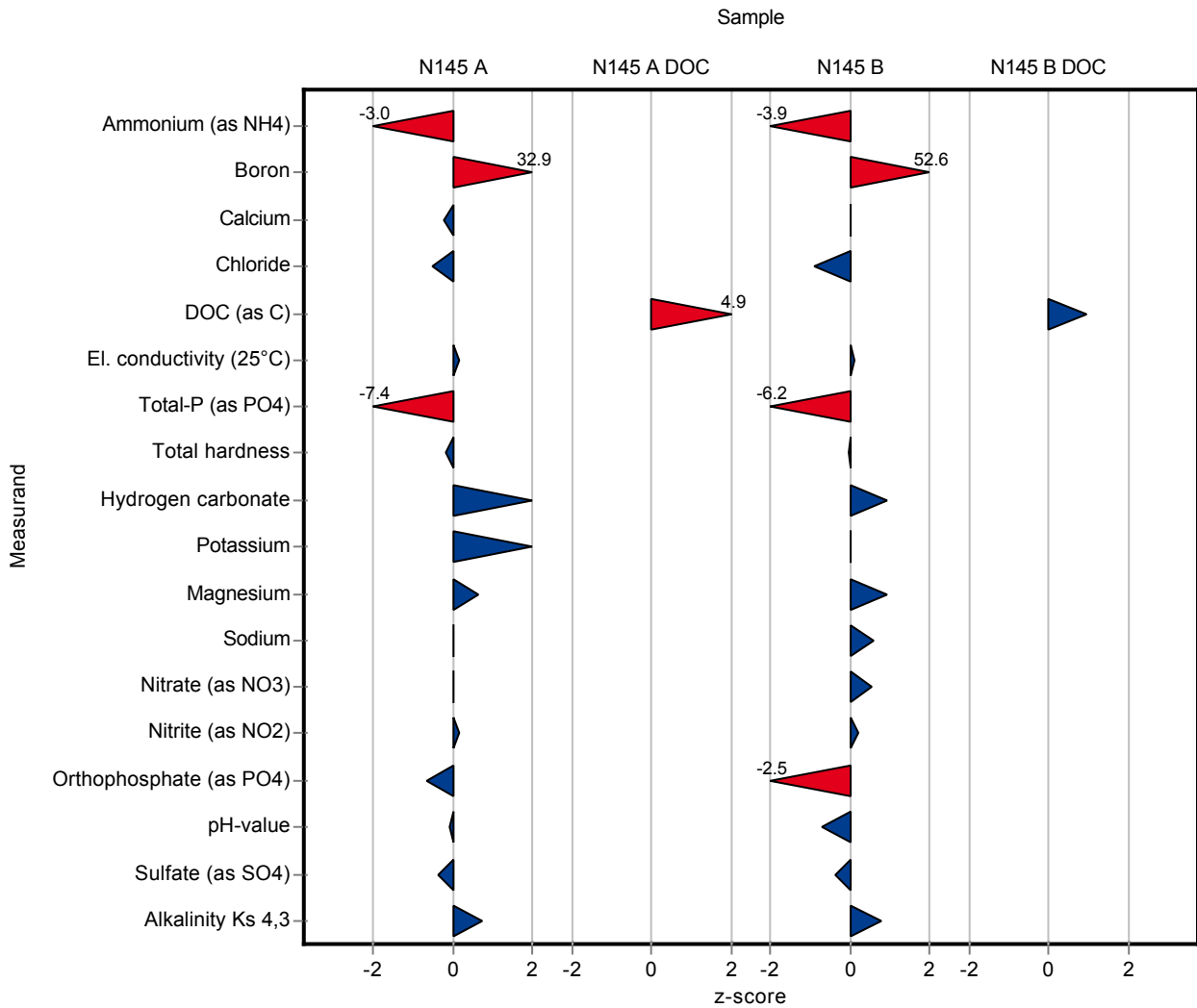
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.033 ± 0.001	0.0143	37	-3.94
Boron	mg/l	0.0155 ± 0.000684	0.097 ± 0.006	0.00155	626	52.60
Calcium	mg/l	63.5 ± 0.611	63.5 ± 3.23	2.09	100	0.01
Chloride	mg/l	28.2 ± 0.219	27.2 ± 1.94	1.07	96.5	-0.91
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 5	6.48	100	0.11
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.062 ± 0.0035	0.0122	45.2	-6.16
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.13	0.0595	99.8	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	221 ± 11.1	4.7	102	0.91
Potassium	mg/l	2.43 ± 0.0361	2.43 ± 0.13	0.121	100	0.00
Magnesium	mg/l	14.6 ± 0.152	15.1 ± 0.62	0.523	103	0.92
Sodium	mg/l	17.4 ± 0.211	17.84 ± 1.05	0.715	103	0.61
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.8 ± 1.1	0.611	103	0.55
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.004	0.00423	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.094 ± 0.005	0.0111	76.9	-2.54
pH-value	-	8.13 ± 0.0204	8.03 ± 0.05	0.13	98.8	-0.74
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.4 ± 1.96	1.02	98.8	-0.37
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.63 ± 0.18	0.0725	102	0.79

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.38 ± 0.65	0.21	109	0.94



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.045 ± 0.0018	0.0137	52.7	-9.36
Boron	mg/l	0.0212 ± 0.000599	0.091 ± 0.005	0.00212	429	6.97
Calcium	mg/l	61 ± 0.622	60.6 ± 3.1	2.15	99.3	-0.07
Chloride	mg/l	21.7 ± 0.152	21.3 ± 1.5	0.825	98.1	-0.14
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 5.2	6.25	100	0.08
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.224 ± 0.013	0.0577	34.5	-14.90
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.14	0.0618	99.5	-0.04
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	161 ± 8.1	3.36	102	0.24
Potassium	mg/l	1.18 ± 0.028	1.28 ± 0.07	0.094	109	0.72
Magnesium	mg/l	18.2 ± 0.188	18.6 ± 0.76	0.651	102	0.28
Sodium	mg/l	6.75 ± 0.0891	6.76 ± 0.4	0.292	100	0.01
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.2 ± 2.7	1.58	100	0.01
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.011	0.00998	101	0.08
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.168 ± 0.009	0.0162	94.2	-0.56
pH-value	-	7.85 ± 0.0288	7.84 ± 0.05	0.126	99.9	-0.07
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.4 ± 3.66	1.89	98.7	-0.10
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.13	0.0525	102	0.15

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.24 ± 0.34	0.133	214	0.97

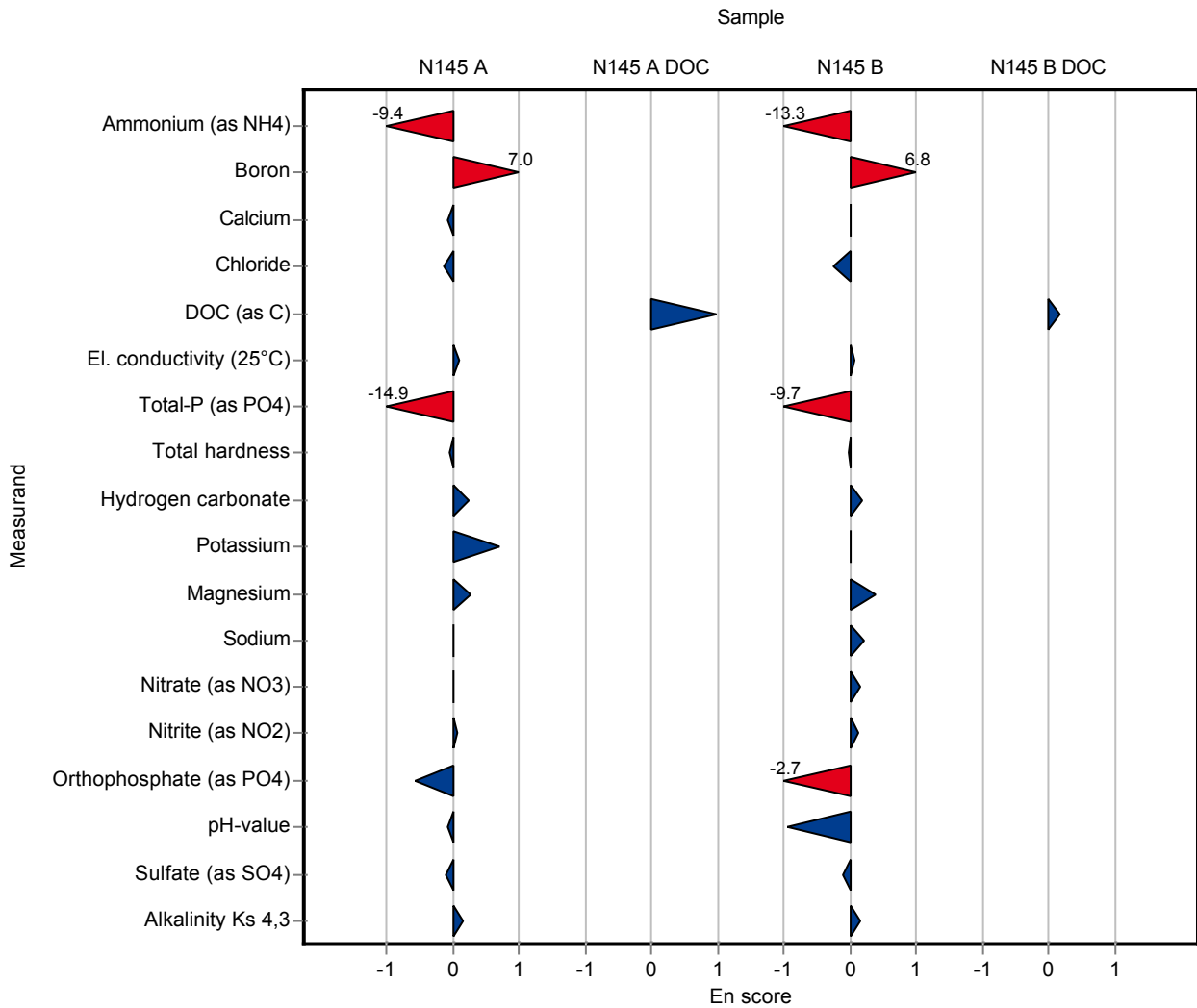
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.033 ± 0.001	0.0143	37	-13.30
Boron	mg/l	0.0155 ± 0.000684	0.097 ± 0.006	0.00155	626	6.78
Calcium	mg/l	63.5 ± 0.611	63.5 ± 3.23	2.09	100	0.00
Chloride	mg/l	28.2 ± 0.219	27.2 ± 1.94	1.07	96.5	-0.25
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 5	6.48	100	0.07
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.062 ± 0.0035	0.0122	45.2	-9.70
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.13	0.0595	99.8	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	221 ± 11.1	4.7	102	0.19
Potassium	mg/l	2.43 ± 0.0361	2.43 ± 0.13	0.121	100	0.00
Magnesium	mg/l	14.6 ± 0.152	15.1 ± 0.62	0.523	103	0.38
Sodium	mg/l	17.4 ± 0.211	17.84 ± 1.05	0.715	103	0.21
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.8 ± 1.1	0.611	103	0.15
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.004	0.00423	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.094 ± 0.005	0.0111	76.9	-2.68
pH-value	-	8.13 ± 0.0204	8.03 ± 0.05	0.13	98.8	-0.94
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.4 ± 1.96	1.02	98.8	-0.10
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.63 ± 0.18	0.0725	102	0.16

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.38 ± 0.65	0.21	109	0.15



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.073 ± 0.002	0.0137	85.5	-0.90
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	57.2 ± 0.1404	2.15	93.7	-1.78
Chloride	mg/l	21.7 ± 0.152	21 ± 1.1	0.825	96.7	-0.87
El. conductivity (25°C)	µS/cm	481 ± 1.57	479.5 ± 1	6.25	99.7	-0.26
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.06 ± 0.01	0.0577	9.25	-10.20
Total hardness	mmol/l	2.29 ± 0.0172	2.11 ± 0.01	0.0618	92.1	-2.92
Total nitrogen	mg/l	7.48 ± 0.238	6.51 ± 1.5	0.628	87	-1.54
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 3	3.36	101	0.25
Potassium	mg/l	1.18 ± 0.028	1.14 ± 0.007	0.094	96.8	-0.40
Magnesium	mg/l	18.2 ± 0.188	16.63 ± 0.07	0.651	91.5	-2.37
Sodium	mg/l	6.75 ± 0.0891	6.56 ± 0.06	0.292	97.1	-0.66
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	28.3 ± 1.5	1.58	88	-2.45
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.182 ± 0.009	0.00998	96.7	-0.63
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.181 ± 0.03	0.0162	101	0.16
pH-value	-	7.85 ± 0.0288	7.88 ± 0.09	0.126	100	0.26
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	53.78 ± 3	1.89	94.1	-1.78
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.04	0.0525	102	0.76

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.74 ± 0.4	0.133	300	8.70

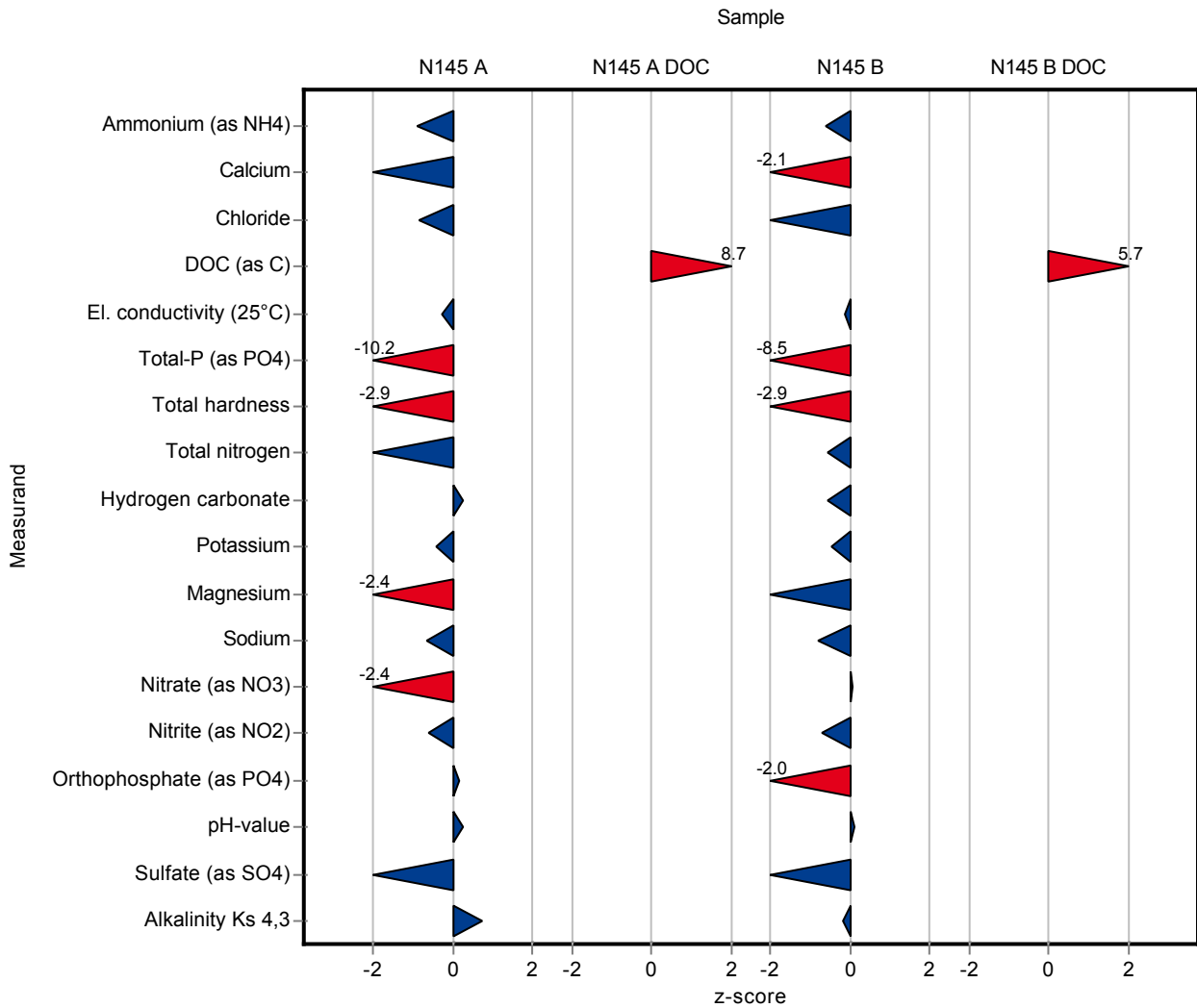
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.08 ± 0.001	0.0143	89.8	-0.64
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	59.08 ± 0.3	2.09	93.1	-2.10
Chloride	mg/l	28.2 ± 0.219	27 ± 1.4	1.07	95.8	-1.10
El. conductivity (25°C)	µS/cm	498 ± 1.43	497.5 ± 1	6.48	99.8	-0.12
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.034 ± 0.01	0.0122	24.8	-8.45
Total hardness	mmol/l	2.2 ± 0.0157	2.03 ± 0.01	0.0595	92.1	-2.92

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.89 ± 0.7	0.252	95.2	-0.58
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 3	4.7	98.7	-0.58
Potassium	mg/l	2.43 ± 0.0361	2.37 ± 0.001	0.121	97.5	-0.50
Magnesium	mg/l	14.6 ± 0.152	13.6 ± 0.15	0.523	93	-1.95
Sodium	mg/l	17.4 ± 0.211	16.83 ± 0.32	0.715	96.7	-0.80
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.7	0.611	100	0.06
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.001	0.00423	95.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1 ± 0.03	0.0111	81.8	-2.00
pH-value	-	8.13 ± 0.0204	8.14 ± 0.1	0.13	100	0.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	28.9 ± 1.6	1.02	93.9	-1.85
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 0.04	0.0725	99.6	-0.18

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	3.37 ± 0.5	0.21	154	5.67



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.073 ± 0.002	0.0137	85.5	-2.66
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	57.2 ± 0.1404	2.15	93.7	-5.62
Chloride	mg/l	21.7 ± 0.152	21 ± 1.1	0.825	96.7	-0.32
El. conductivity (25°C)	µS/cm	481 ± 1.57	479.5 ± 1	6.25	99.7	-0.64
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.06 ± 0.01	0.0577	9.25	-25.30
Total hardness	mmol/l	2.29 ± 0.0172	2.11 ± 0.01	0.0618	92.1	-6.84
Total nitrogen	mg/l	7.48 ± 0.238	6.51 ± 1.5	0.628	87	-0.32
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 3	3.36	101	0.14
Potassium	mg/l	1.18 ± 0.028	1.14 ± 0.007	0.094	96.8	-1.20
Magnesium	mg/l	18.2 ± 0.188	16.63 ± 0.07	0.651	91.5	-6.58
Sodium	mg/l	6.75 ± 0.0891	6.56 ± 0.06	0.292	97.1	-1.29
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	28.3 ± 1.5	1.58	88	-1.28
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.182 ± 0.009	0.00998	96.7	-0.35
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.181 ± 0.03	0.0162	101	0.04
pH-value	-	7.85 ± 0.0288	7.88 ± 0.09	0.126	100	0.18
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	53.78 ± 3	1.89	94.1	-0.56
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.04	0.0525	102	0.49

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.74 ± 0.4	0.133	300	1.45

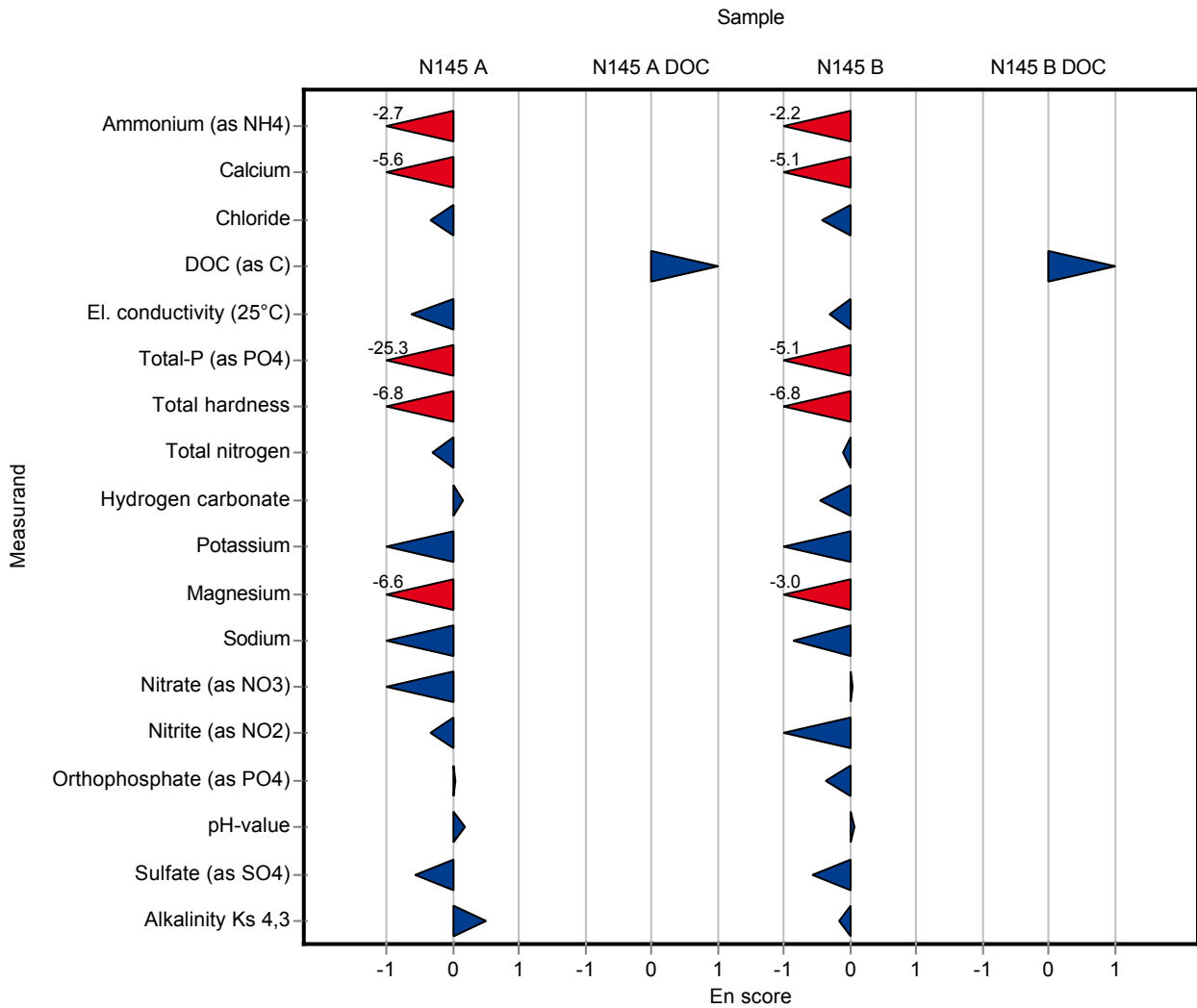
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.08 ± 0.001	0.0143	89.8	-2.15
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	59.08 ± 0.3	2.09	93.1	-5.14
Chloride	mg/l	28.2 ± 0.219	27 ± 1.4	1.07	95.8	-0.42
El. conductivity (25°C)	µS/cm	498 ± 1.43	497.5 ± 1	6.48	99.8	-0.33
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.034 ± 0.01	0.0122	24.8	-5.09
Total hardness	mmol/l	2.2 ± 0.0157	2.03 ± 0.01	0.0595	92.1	-6.82

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.89 ± 0.7	0.252	95.2	-0.10
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 3	4.7	98.7	-0.44
Potassium	mg/l	2.43 ± 0.0361	2.37 ± 0.001	0.121	97.5	-1.66
Magnesium	mg/l	14.6 ± 0.152	13.6 ± 0.15	0.523	93	-3.03
Sodium	mg/l	17.4 ± 0.211	16.83 ± 0.32	0.715	96.7	-0.85
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.7	0.611	100	0.03
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.001	0.00423	95.1	-1.30
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1 ± 0.03	0.0111	81.8	-0.37
pH-value	-	8.13 ± 0.0204	8.14 ± 0.1	0.13	100	0.07
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	28.9 ± 1.6	1.02	93.9	-0.58
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 0.04	0.0725	99.6	-0.16

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	3.37 ± 0.5	0.21	154	1.19



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.091 ± 0.015	0.0137	107	0.41
Boron	mg/l	0.0212 ± 0.000599	0.022 ± 0.004	0.00212	104	0.38
Calcium	mg/l	61 ± 0.622	61.9 ± 2.9	2.15	101	0.40
Chloride	mg/l	21.7 ± 0.152	21.8 ± 1.9	0.825	100	0.10
El. conductivity (25°C)	µS/cm	481 ± 1.57	489 ± 19	6.25	102	1.26
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.632 ± 0.074	0.0577	97.4	-0.29
Total hardness	mmol/l	2.29 ± 0.0172	2.29 ± 0.12	0.0618	100	-0.01
Total nitrogen	mg/l	7.48 ± 0.238	7.2 ± 1	0.628	96.3	-0.45
Hydrogen carbonate	mg/l	157 ± 1.09	152.5 ± 6.8	3.36	97	-1.38
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.1	0.094	102	0.24
Magnesium	mg/l	18.2 ± 0.188	18 ± 1.2	0.651	99.1	-0.27
Sodium	mg/l	6.75 ± 0.0891	6.6 ± 0.04	0.292	97.7	-0.52
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.4 ± 4	1.58	101	0.16
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.019	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.18 ± 0.022	0.0162	101	0.10
pH-value	-	7.85 ± 0.0288	7.8 ± 0.3	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.1 ± 5.3	1.89	99.9	-0.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.55 ± 0.11	0.0525	98.1	-0.96

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.6 ± 0.2	0.133	103	0.15

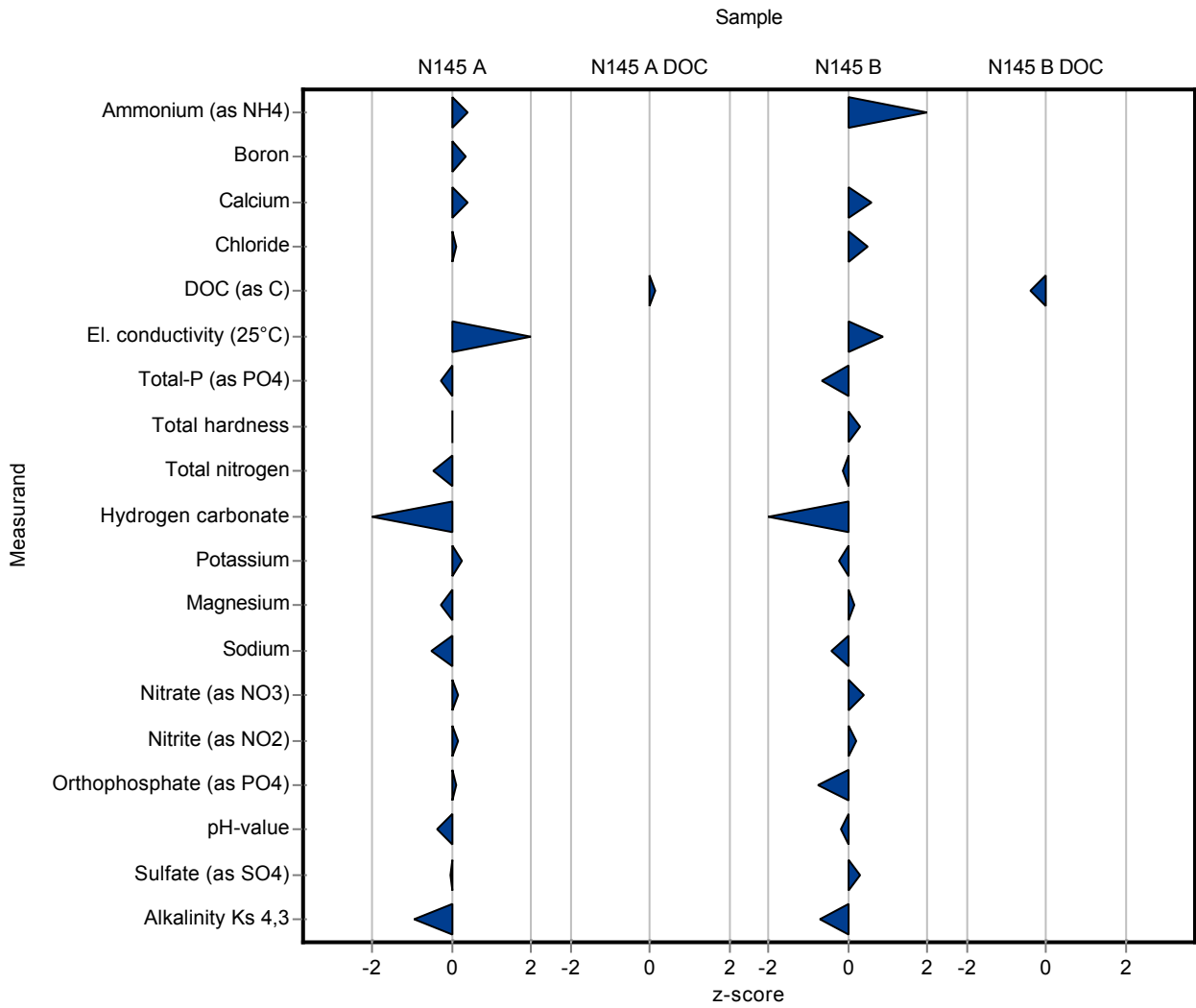
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.112 ± 0.018	0.0143	126	1.60
Boron	mg/l	0.0155 ± 0.000684	<0.02 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	64.7 ± 3.1	2.09	102	0.58
Chloride	mg/l	28.2 ± 0.219	28.7 ± 2.4	1.07	102	0.49
El. conductivity (25°C)	µS/cm	498 ± 1.43	504 ± 20	6.48	101	0.88
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.129 ± 0.018	0.0122	94	-0.68
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.12	0.0595	101	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3 ± 0.4	0.252	98.8	-0.15
Hydrogen carbonate	mg/l	217 ± 1.49	211.4 ± 6.7	4.7	97.5	-1.14
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.1	0.121	98.8	-0.25
Magnesium	mg/l	14.6 ± 0.152	14.7 ± 0.9	0.523	101	0.15
Sodium	mg/l	17.4 ± 0.211	17.1 ± 0.9	0.715	98.3	-0.42
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.7 ± 1.6	0.611	102	0.39
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.008	0.00423	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.114 ± 0.014	0.0111	93.2	-0.74
pH-value	-	8.13 ± 0.0204	8.1 ± 0.3	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.1 ± 3	1.02	101	0.32
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.52 ± 0.11	0.0725	98.5	-0.73

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.1 ± 0.4	0.21	96.2	-0.40



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.091 ± 0.015	0.0137	107	0.19
Boron	mg/l	0.0212 ± 0.000599	0.022 ± 0.004	0.00212	104	0.10
Calcium	mg/l	61 ± 0.622	61.9 ± 2.9	2.15	101	0.15
Chloride	mg/l	21.7 ± 0.152	21.8 ± 1.9	0.825	100	0.02
El. conductivity (25°C)	µS/cm	481 ± 1.57	489 ± 19	6.25	102	0.21
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.632 ± 0.074	0.0577	97.4	-0.11
Total hardness	mmol/l	2.29 ± 0.0172	2.29 ± 0.12	0.0618	100	0.00
Total nitrogen	mg/l	7.48 ± 0.238	7.2 ± 1	0.628	96.3	-0.14
Hydrogen carbonate	mg/l	157 ± 1.09	152.5 ± 6.8	3.36	97	-0.34
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.1	0.094	102	0.11
Magnesium	mg/l	18.2 ± 0.188	18 ± 1.2	0.651	99.1	-0.07
Sodium	mg/l	6.75 ± 0.0891	6.6 ± 0.04	0.292	97.7	-1.28
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.4 ± 4	1.58	101	0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.019	0.00998	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.18 ± 0.022	0.0162	101	0.04
pH-value	-	7.85 ± 0.0288	7.8 ± 0.3	0.126	99.4	-0.08
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.1 ± 5.3	1.89	99.9	0.00
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.55 ± 0.11	0.0525	98.1	-0.23

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.6 ± 0.2	0.133	103	0.05

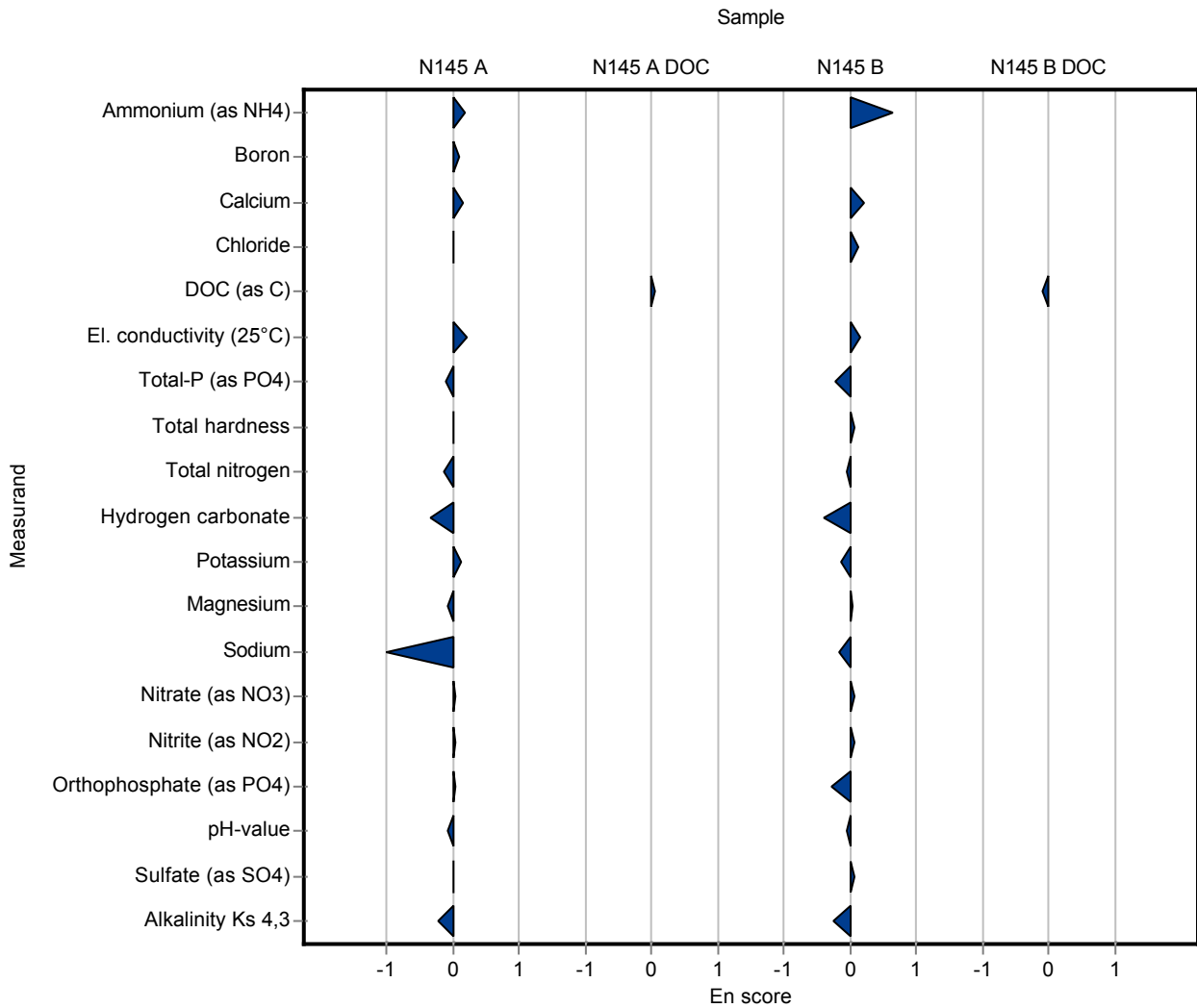
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.112 ± 0.018	0.0143	126	0.63
Boron	mg/l	0.0155 ± 0.000684	<0.02 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	64.7 ± 3.1	2.09	102	0.20
Chloride	mg/l	28.2 ± 0.219	28.7 ± 2.4	1.07	102	0.11
El. conductivity (25°C)	µS/cm	498 ± 1.43	504 ± 20	6.48	101	0.14
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.129 ± 0.018	0.0122	94	-0.23
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.12	0.0595	101	0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3 ± 0.4	0.252	98.8	-0.05
Hydrogen carbonate	mg/l	217 ± 1.49	211.4 ± 6.7	4.7	97.5	-0.40
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.1	0.121	98.8	-0.15
Magnesium	mg/l	14.6 ± 0.152	14.7 ± 0.9	0.523	101	0.04
Sodium	mg/l	17.4 ± 0.211	17.1 ± 0.9	0.715	98.3	-0.17
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.7 ± 1.6	0.611	102	0.07
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.008	0.00423	101	0.06
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.114 ± 0.014	0.0111	93.2	-0.29
pH-value	-	8.13 ± 0.0204	8.1 ± 0.3	0.13	99.7	-0.04
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.1 ± 3	1.02	101	0.05
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.52 ± 0.11	0.0725	98.5	-0.24

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.1 ± 0.4	0.21	96.2	-0.10



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	486 ± 24	6.25	101	0.78
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.84 ± 0.2	0.126	99.9	-0.06
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

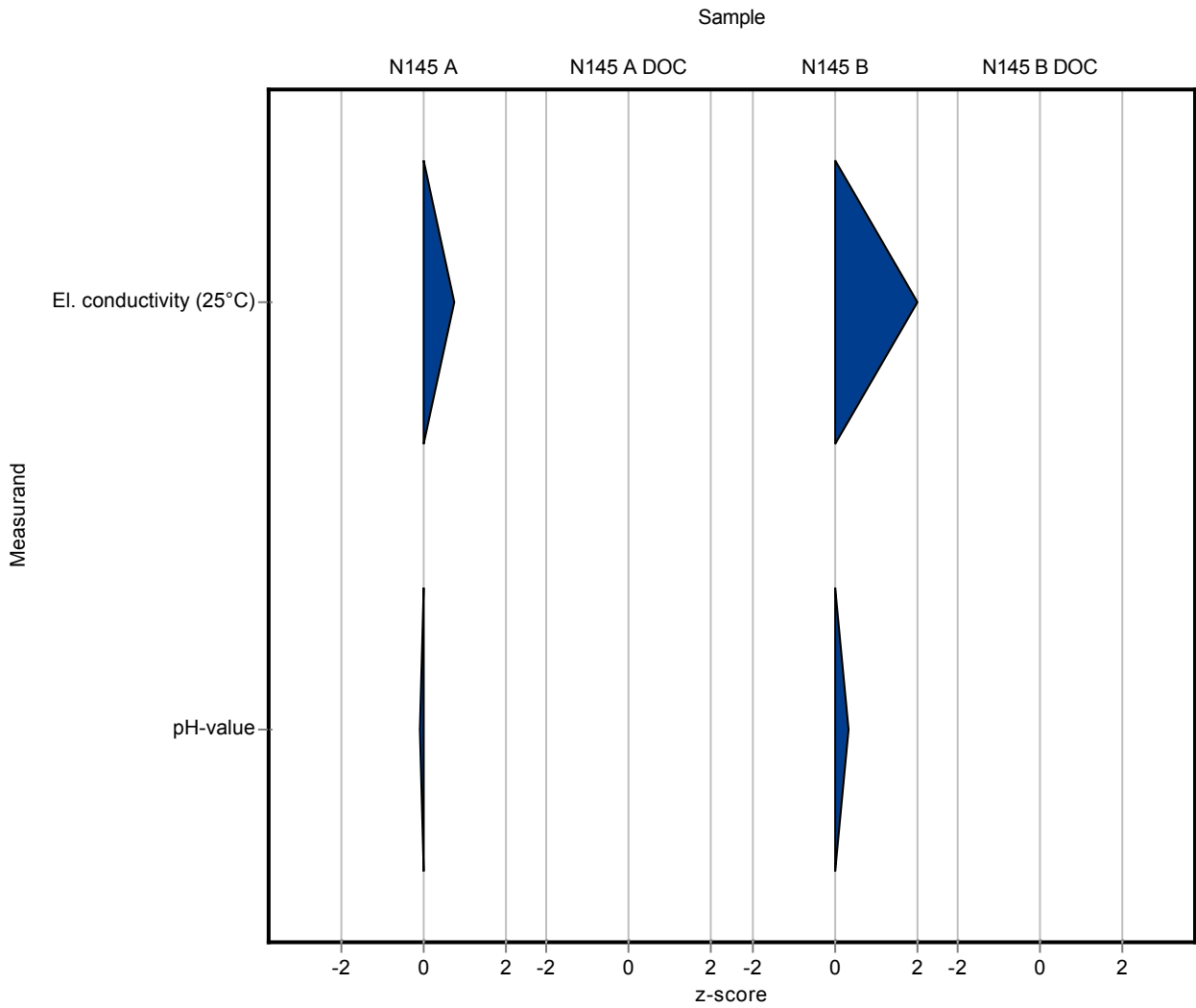
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	506 ± 25	6.48	102	1.19
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.17 ± 0.2	0.13	101	0.34
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	486 ± 24	6.25	101	0.10
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.84 ± 0.2	0.126	99.9	-0.02
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

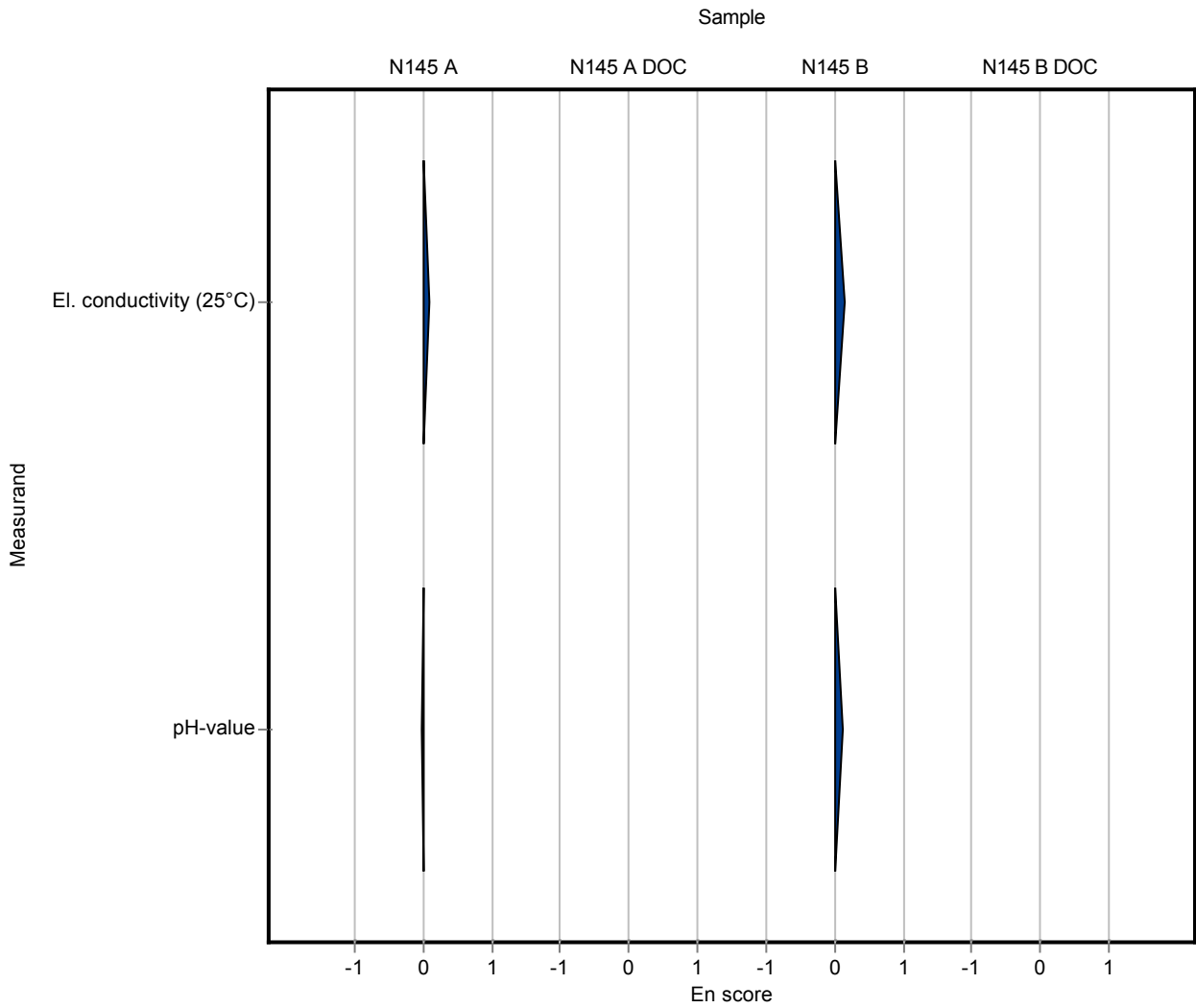
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	506 ± 25	6.48	102	0.15
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.17 ± 0.2	0.13	101	0.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.09 ± 0.009	0.0137	105	0.34
Boron	mg/l	0.0212 ± 0.000599	0.023 ± 0.0012	0.00212	108	0.85
Calcium	mg/l	61 ± 0.622	60.4 ± 3	2.15	99	-0.29
Chloride	mg/l	21.7 ± 0.152	21.6 ± 1.1	0.825	99.5	-0.14
El. conductivity (25°C)	µS/cm	481 ± 1.57	475 ± 9.5	6.25	98.7	-0.98
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.644 ± 0.064	0.0577	99.3	-0.08
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.1125	0.0618	98.2	-0.65
Total nitrogen	mg/l	7.48 ± 0.238	7.4 ± 0.74	0.628	98.9	-0.13
Hydrogen carbonate	mg/l	157 ± 1.09	172 ± 8.6	3.36	109	4.42
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.06	0.094	102	0.24
Magnesium	mg/l	18.2 ± 0.188	18 ± 0.9	0.651	99.1	-0.27
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.34	0.292	101	0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.8 ± 3.18	1.58	98.9	-0.22
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.196 ± 0.0196	0.00998	104	0.78
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.172 ± 0.0172	0.0162	96.4	-0.39
pH-value	-	7.85 ± 0.0288	8 ± 0.1	0.126	102	1.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55 ± 2.75	1.89	96.3	-1.13
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.87 ± 0.14	0.0525	110	5.13

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.6 ± 0.06	0.133	103	0.15

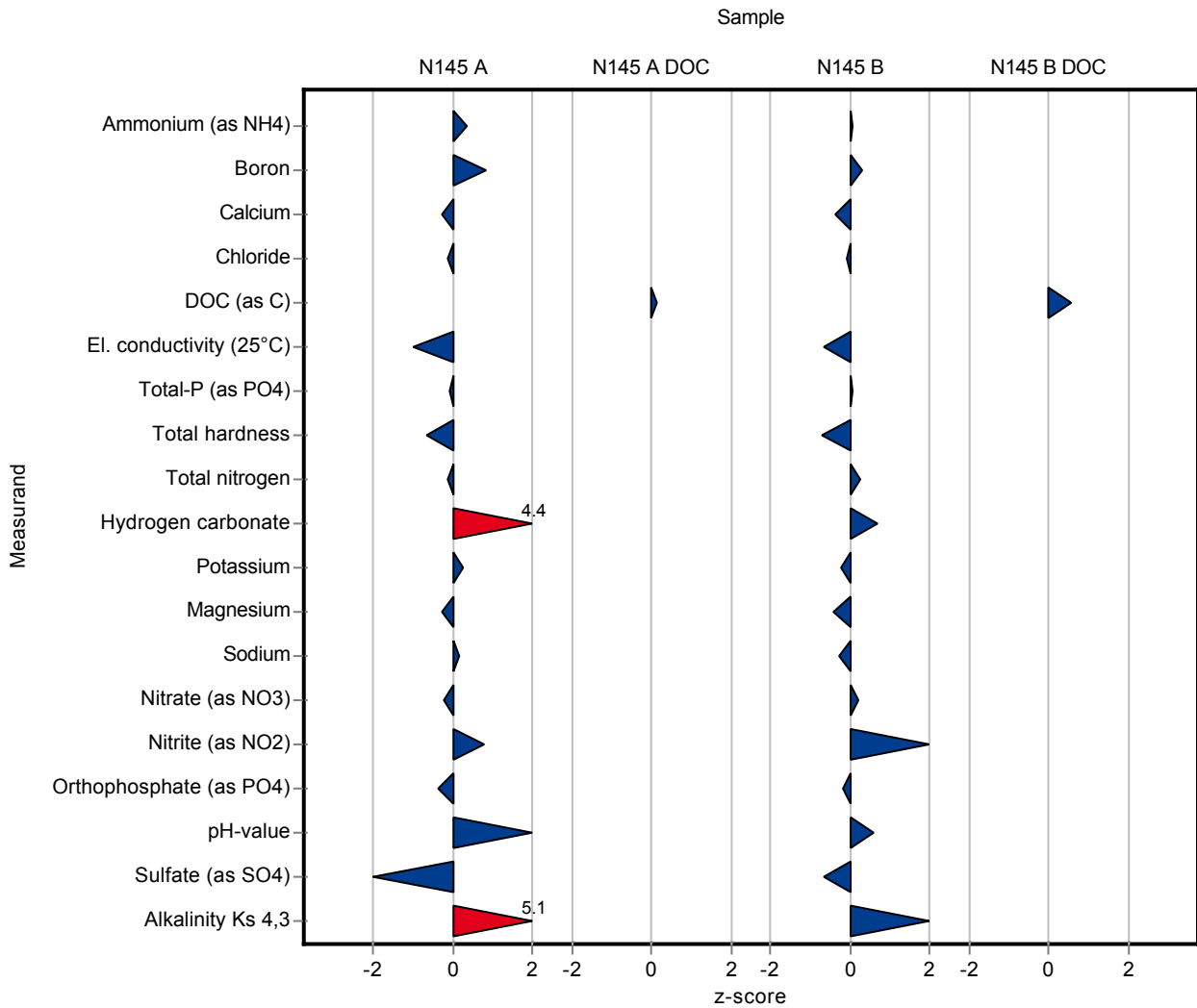
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.09 ± 0.009	0.0143	101	0.06
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.008	0.00155	103	0.32
Calcium	mg/l	63.5 ± 0.611	62.7 ± 3.19	2.09	98.8	-0.37
Chloride	mg/l	28.2 ± 0.219	28.1 ± 1.4	1.07	99.7	-0.07
El. conductivity (25°C)	µS/cm	498 ± 1.43	494 ± 9.9	6.48	99.1	-0.66
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.0138	0.0122	101	0.06
Total hardness	mmol/l	2.2 ± 0.0157	2.16 ± 0.108	0.0595	98	-0.73

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.1 ± 0.31	0.252	102	0.25
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 11	4.7	102	0.69
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.12	0.121	98.8	-0.25
Magnesium	mg/l	14.6 ± 0.152	14.4 ± 0.72	0.523	98.5	-0.42
Sodium	mg/l	17.4 ± 0.211	17.2 ± 0.86	0.715	98.8	-0.29
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.63	0.611	101	0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.07 ± 0.0035	0.00423	111	1.64
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.12 ± 0.06	0.0111	98.1	-0.21
pH-value	-	8.13 ± 0.0204	8.2 ± 0.1	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.1 ± 1.5	1.02	97.8	-0.67
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.66 ± 0.183	0.0725	102	1.20

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.3 ± 0.23	0.21	105	0.56



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.09 ± 0.009	0.0137	105	0.26
Boron	mg/l	0.0212 ± 0.000599	0.023 ± 0.0012	0.00212	108	0.73
Calcium	mg/l	61 ± 0.622	60.4 ± 3	2.15	99	-0.10
Chloride	mg/l	21.7 ± 0.152	21.6 ± 1.1	0.825	99.5	-0.05
El. conductivity (25°C)	µS/cm	481 ± 1.57	475 ± 9.5	6.25	98.7	-0.32
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.644 ± 0.064	0.0577	99.3	-0.04
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.1125	0.0618	98.2	-0.18
Total nitrogen	mg/l	7.48 ± 0.238	7.4 ± 0.74	0.628	98.9	-0.05
Hydrogen carbonate	mg/l	157 ± 1.09	172 ± 8.6	3.36	109	0.86
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.06	0.094	102	0.18
Magnesium	mg/l	18.2 ± 0.188	18 ± 0.9	0.651	99.1	-0.10
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.34	0.292	101	0.07
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.8 ± 3.18	1.58	98.9	-0.06
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.196 ± 0.0196	0.00998	104	0.20
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.172 ± 0.0172	0.0162	96.4	-0.18
pH-value	-	7.85 ± 0.0288	8 ± 0.1	0.126	102	0.75
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55 ± 2.75	1.89	96.3	-0.39
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.87 ± 0.14	0.0525	110	0.96

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.6 ± 0.06	0.133	103	0.15

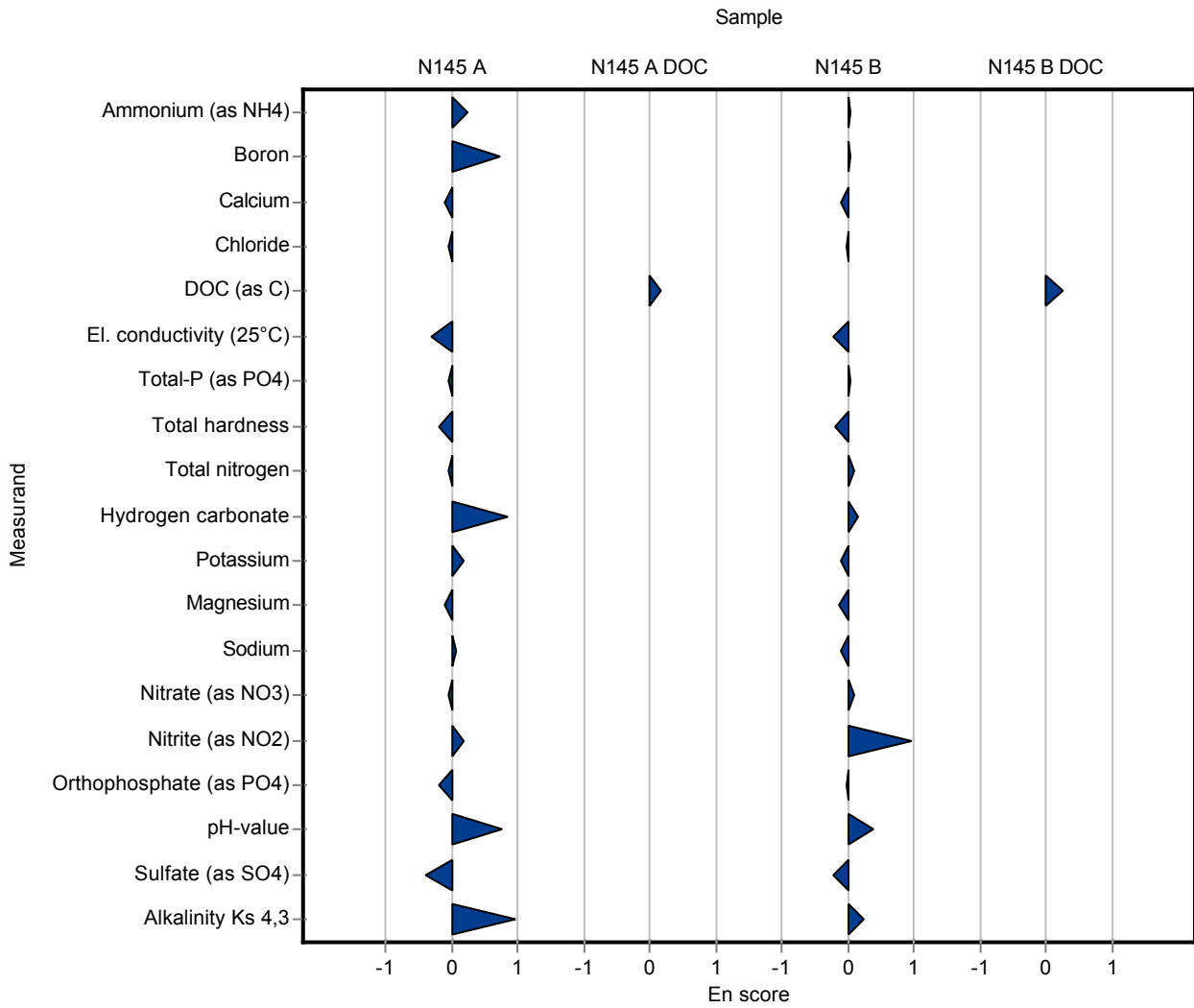
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.09 ± 0.009	0.0143	101	0.05
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.008	0.00155	103	0.03
Calcium	mg/l	63.5 ± 0.611	62.7 ± 3.19	2.09	98.8	-0.12
Chloride	mg/l	28.2 ± 0.219	28.1 ± 1.4	1.07	99.7	-0.03
El. conductivity (25°C)	µS/cm	498 ± 1.43	494 ± 9.9	6.48	99.1	-0.22
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.0138	0.0122	101	0.03
Total hardness	mmol/l	2.2 ± 0.0157	2.16 ± 0.108	0.0595	98	-0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.1 ± 0.31	0.252	102	0.10
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 11	4.7	102	0.15
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.12	0.121	98.8	-0.12
Magnesium	mg/l	14.6 ± 0.152	14.4 ± 0.72	0.523	98.5	-0.15
Sodium	mg/l	17.4 ± 0.211	17.2 ± 0.86	0.715	98.8	-0.12
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.63	0.611	101	0.11
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.07 ± 0.0035	0.00423	111	0.97
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.12 ± 0.06	0.0111	98.1	-0.02
pH-value	-	8.13 ± 0.0204	8.2 ± 0.1	0.13	101	0.37
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.1 ± 1.5	1.02	97.8	-0.23
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.66 ± 0.183	0.0725	102	0.24

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.3 ± 0.23	0.21	105	0.25



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.09 ± 0.0071	0.0137	105	0.34
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.0029	0.00212	99.1	-0.09
Calcium	mg/l	61 ± 0.622	63.3 ± 9.68	2.15	104	1.05
Chloride	mg/l	21.7 ± 0.152	22.8 ± 2.69	0.825	105	1.32
El. conductivity (25°C)	µS/cm	481 ± 1.57	485 ± 41.2	6.25	101	0.62
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.678 ± 0.048	0.0577	105	0.51
Total hardness	mmol/l	2.29 ± 0.0172	2.32 ± 0.32	0.0618	101	0.48
Total nitrogen	mg/l	7.48 ± 0.238	8.16 ± 0.82	0.628	109	1.08
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.13 ± 0.19	0.094	96	-0.51
Magnesium	mg/l	18.2 ± 0.188	18.1 ± 2.15	0.651	99.6	-0.11
Sodium	mg/l	6.75 ± 0.0891	6.56 ± 0.81	0.292	97.1	-0.66
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.6 ± 5.21	1.58	98.3	-0.35
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.012	0.00998	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.79 ± 0.13	0.126	99.3	-0.46
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.9 ± 6.83	1.89	99.6	-0.12
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.65 ± 0.33	0.0525	102	0.95

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.7 ± 0.098	0.133	121	0.90

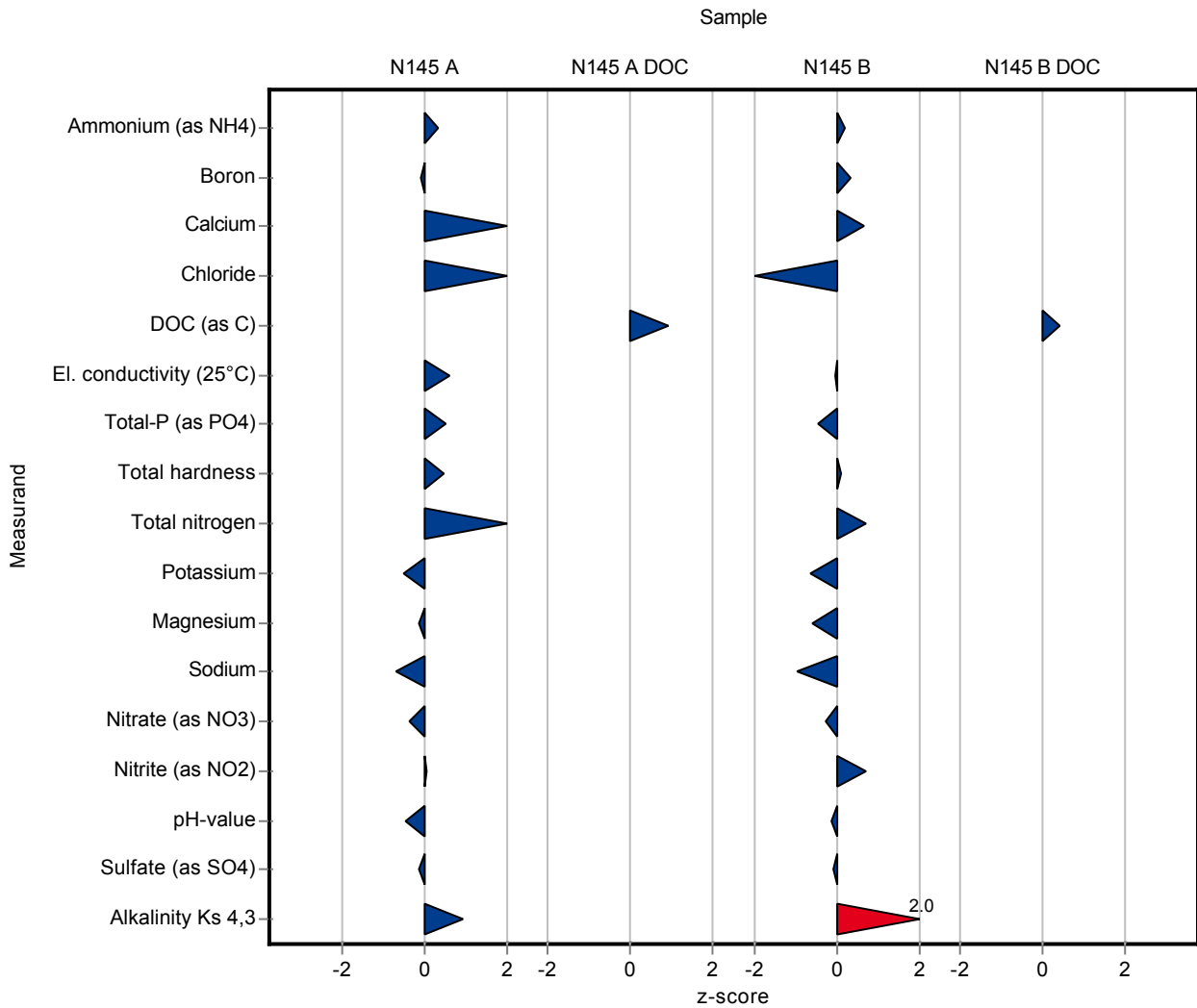
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.092 ± 0.0073	0.0143	103	0.20
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.0022	0.00155	103	0.32
Calcium	mg/l	63.5 ± 0.611	64.9 ± 9.93	2.09	102	0.68
Chloride	mg/l	28.2 ± 0.219	26.5 ± 3.13	1.07	94	-1.57
El. conductivity (25°C)	µS/cm	498 ± 1.43	498 ± 42.3	6.48	99.9	-0.05
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.132 ± 0.0094	0.0122	96.1	-0.43
Total hardness	mmol/l	2.2 ± 0.0157	2.21 ± 0.3	0.0595	100	0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.22 ± 0.33	0.252	106	0.72
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.35 ± 0.39	0.121	96.7	-0.66
Magnesium	mg/l	14.6 ± 0.152	14.3 ± 1.7	0.523	97.8	-0.61
Sodium	mg/l	17.4 ± 0.211	16.7 ± 2.07	0.715	96	-0.98
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 2.03	0.611	98.7	-0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.066 ± 0.004	0.00423	105	0.69
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.11 ± 0.11	0.13	99.8	-0.12
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 3.68	1.02	99.7	-0.08
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.72 ± 0.46	0.0725	104	2.03

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.27 ± 0.32	0.21	104	0.42



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.09 ± 0.0071	0.0137	105	0.32
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.0029	0.00212	99.1	-0.03
Calcium	mg/l	61 ± 0.622	63.3 ± 9.68	2.15	104	0.12
Chloride	mg/l	21.7 ± 0.152	22.8 ± 2.69	0.825	105	0.20
El. conductivity (25°C)	µS/cm	481 ± 1.57	485 ± 41.2	6.25	101	0.05
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.678 ± 0.048	0.0577	105	0.30
Total hardness	mmol/l	2.29 ± 0.0172	2.32 ± 0.32	0.0618	101	0.05
Total nitrogen	mg/l	7.48 ± 0.238	8.16 ± 0.82	0.628	109	0.41
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.13 ± 0.19	0.094	96	-0.12
Magnesium	mg/l	18.2 ± 0.188	18.1 ± 2.15	0.651	99.6	-0.02
Sodium	mg/l	6.75 ± 0.0891	6.56 ± 0.81	0.292	97.1	-0.12
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.6 ± 5.21	1.58	98.3	-0.05
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.012	0.00998	100	0.03
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.79 ± 0.13	0.126	99.3	-0.22
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.9 ± 6.83	1.89	99.6	-0.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.65 ± 0.33	0.0525	102	0.08

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.7 ± 0.098	0.133	121	0.59

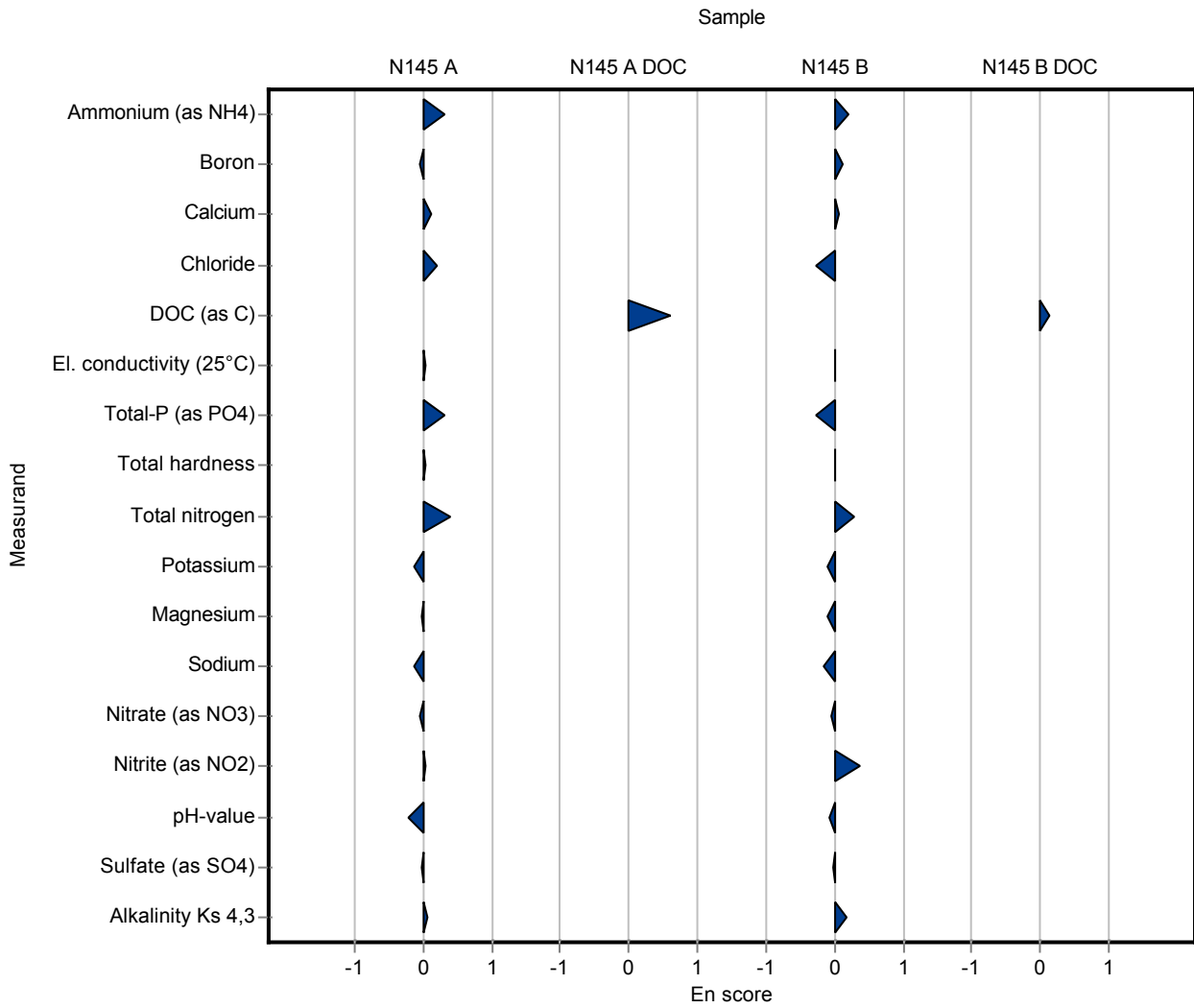
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.092 ± 0.0073	0.0143	103	0.19
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.0022	0.00155	103	0.11
Calcium	mg/l	63.5 ± 0.611	64.9 ± 9.93	2.09	102	0.07
Chloride	mg/l	28.2 ± 0.219	26.5 ± 3.13	1.07	94	-0.27
El. conductivity (25°C)	µS/cm	498 ± 1.43	498 ± 42.3	6.48	99.9	0.00
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.132 ± 0.0094	0.0122	96.1	-0.28
Total hardness	mmol/l	2.2 ± 0.0157	2.21 ± 0.3	0.0595	100	0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.22 ± 0.33	0.252	106	0.27
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.35 ± 0.39	0.121	96.7	-0.10
Magnesium	mg/l	14.6 ± 0.152	14.3 ± 1.7	0.523	97.8	-0.09
Sodium	mg/l	17.4 ± 0.211	16.7 ± 2.07	0.715	96	-0.17
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 2.03	0.611	98.7	-0.04
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.066 ± 0.004	0.00423	105	0.36
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.11 ± 0.11	0.13	99.8	-0.07
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 3.68	1.02	99.7	-0.01
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.72 ± 0.46	0.0725	104	0.16

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.27 ± 0.32	0.21	104	0.14



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± 18	6.25	99.8	-0.18
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	153 ± 6	3.36	97.4	-1.23
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	8 ± 0.3	0.126	102	1.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.5 ± 0.1	0.0525	96.1	-1.91

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

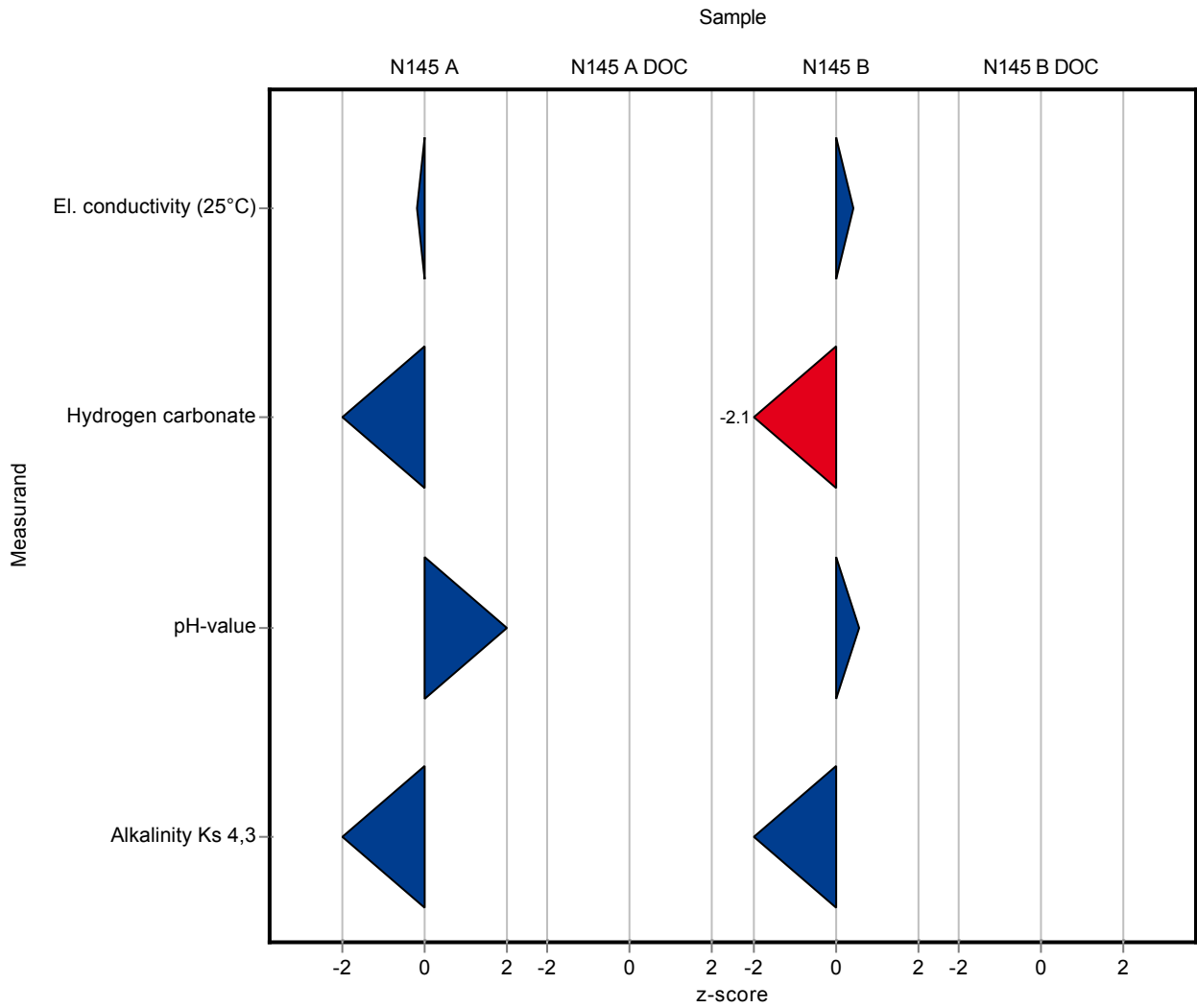
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 19	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	207 ± 8	4.7	95.5	-2.07
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.3	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.43 ± 0.14	0.0725	96	-1.97

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± 18	6.25	99.8	-0.03
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	153 ± 6	3.36	97.4	-0.34
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	8 ± 0.3	0.126	102	0.25
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.5 ± 0.1	0.0525	96.1	-0.50

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

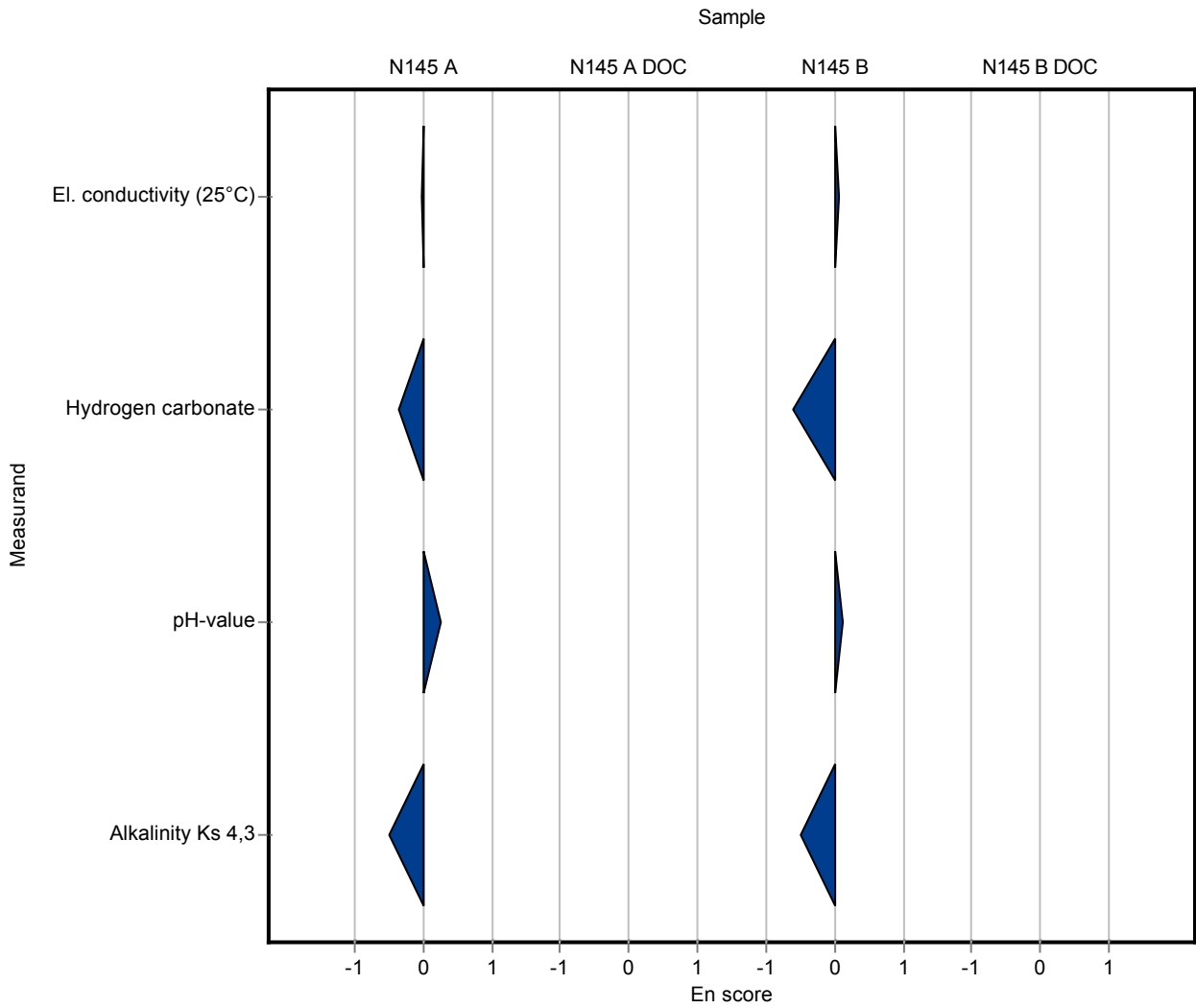
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 19	6.48	101	0.07
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	207 ± 8	4.7	95.5	-0.61
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.3	0.13	101	0.12
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.43 ± 0.14	0.0725	96	-0.51

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 10	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.11	0.0525	102	0.76

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

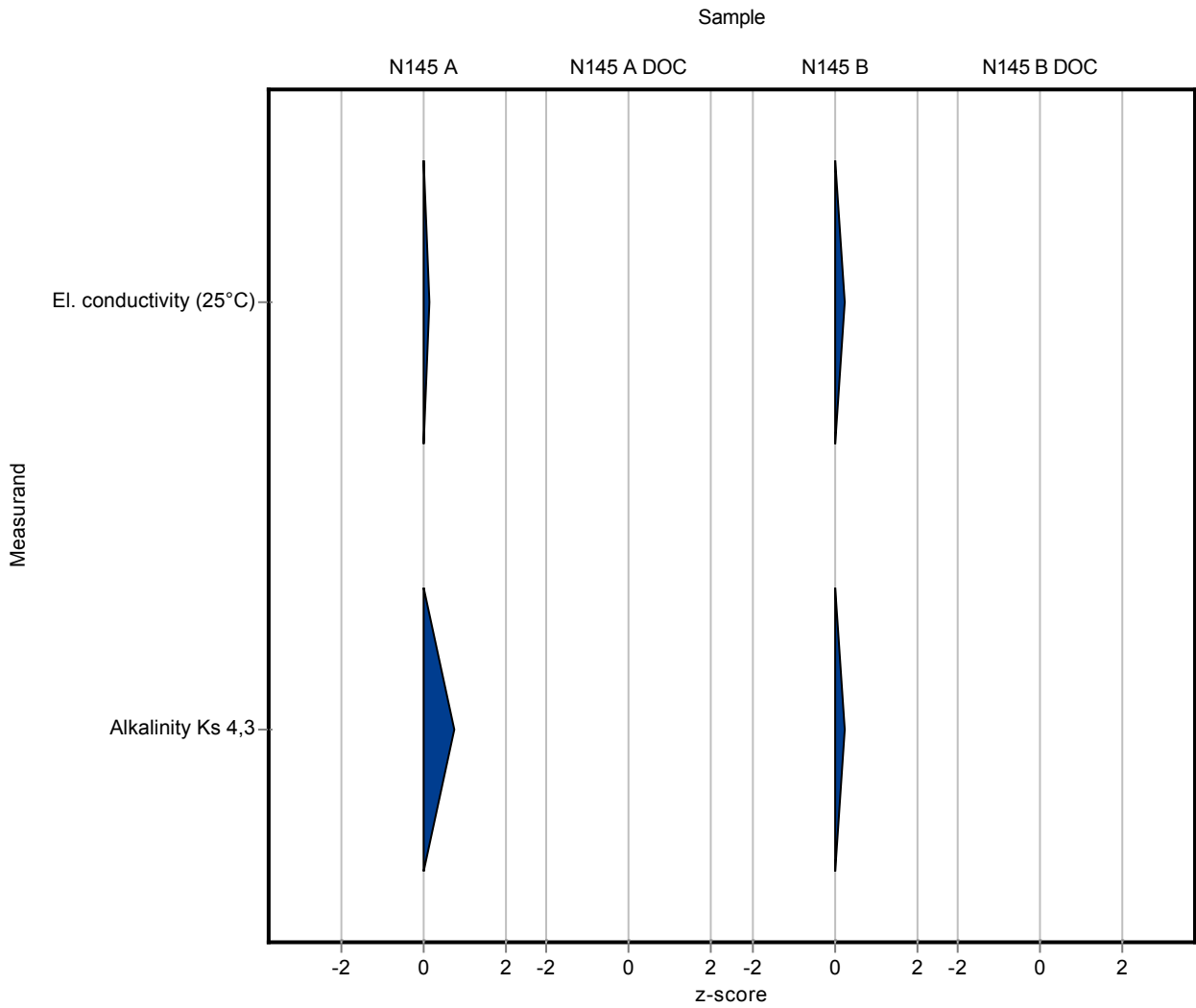
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± 10	6.48	100	0.26
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.15	0.0725	100	0.23

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 10	6.25	100	0.04
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.11	0.0525	102	0.18

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

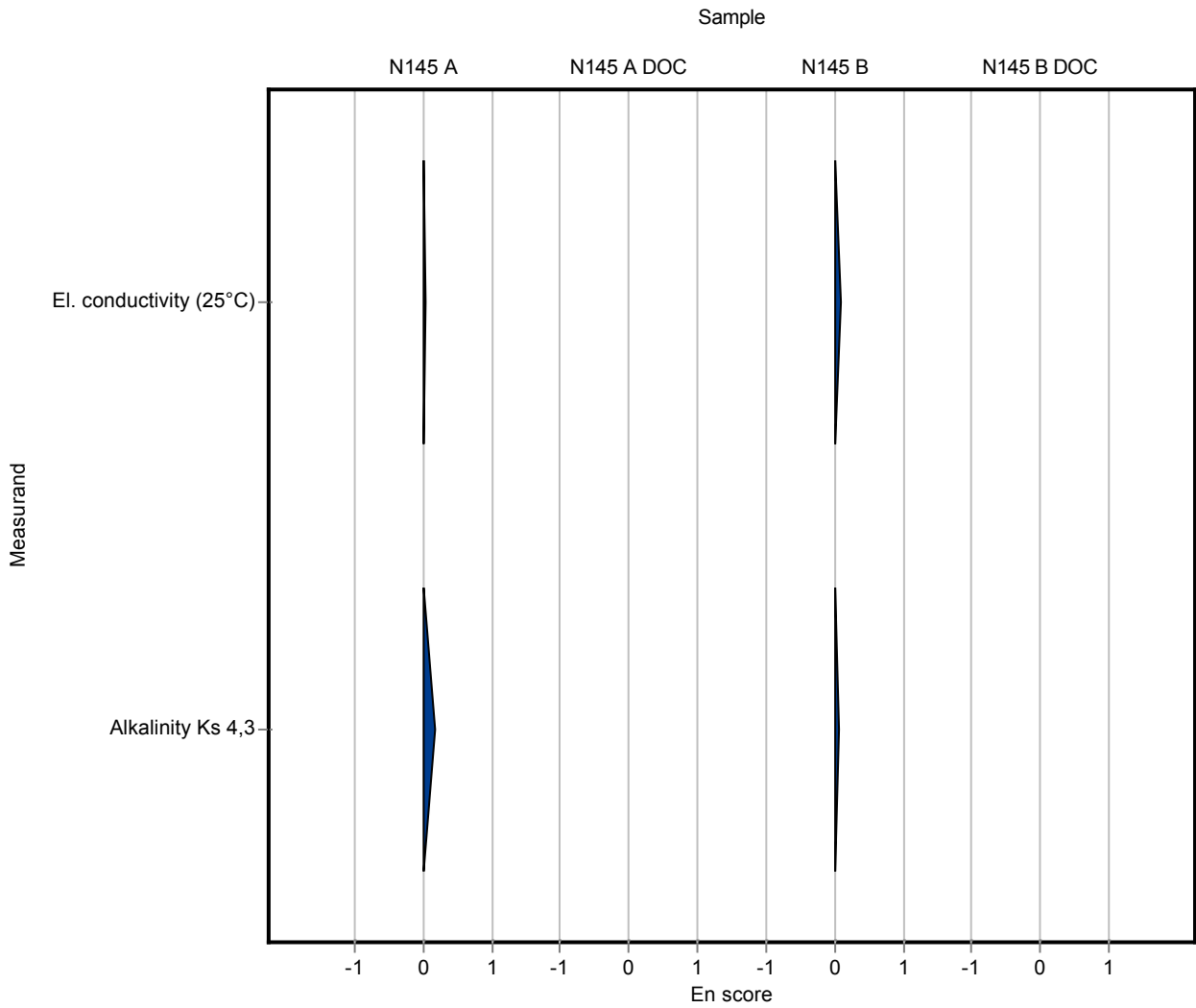
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± 10	6.48	100	0.08
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.15	0.0725	100	0.06

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.141 ± 0.049	0.0137	165	4.07
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	21 ± 2.1	0.825	96.7	-0.87
El. conductivity (25°C)	µS/cm	481 ± 1.57	473 ± 10	6.25	98.3	-1.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.616 ± 0.123	0.0577	95	-0.57
Total hardness	mmol/l	2.29 ± 0.0172	2.12 ± 0.21	0.0618	92.6	-2.75
Total nitrogen	mg/l	7.48 ± 0.238	7.44 ± 0.74	0.628	99.5	-0.06
Hydrogen carbonate	mg/l	157 ± 1.09	158.65 ± 15.9	3.36	101	0.45
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	30.7 ± 3.1	1.58	95.5	-0.92
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.197 ± 0.02	0.00998	105	0.88
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.178 ± 0.018	0.0162	99.8	-0.02
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.6 ± 8.3	1.89	97.3	-0.81
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.25	0.0525	100	-0.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.484 ± 0.097	0.133	83.5	-0.72

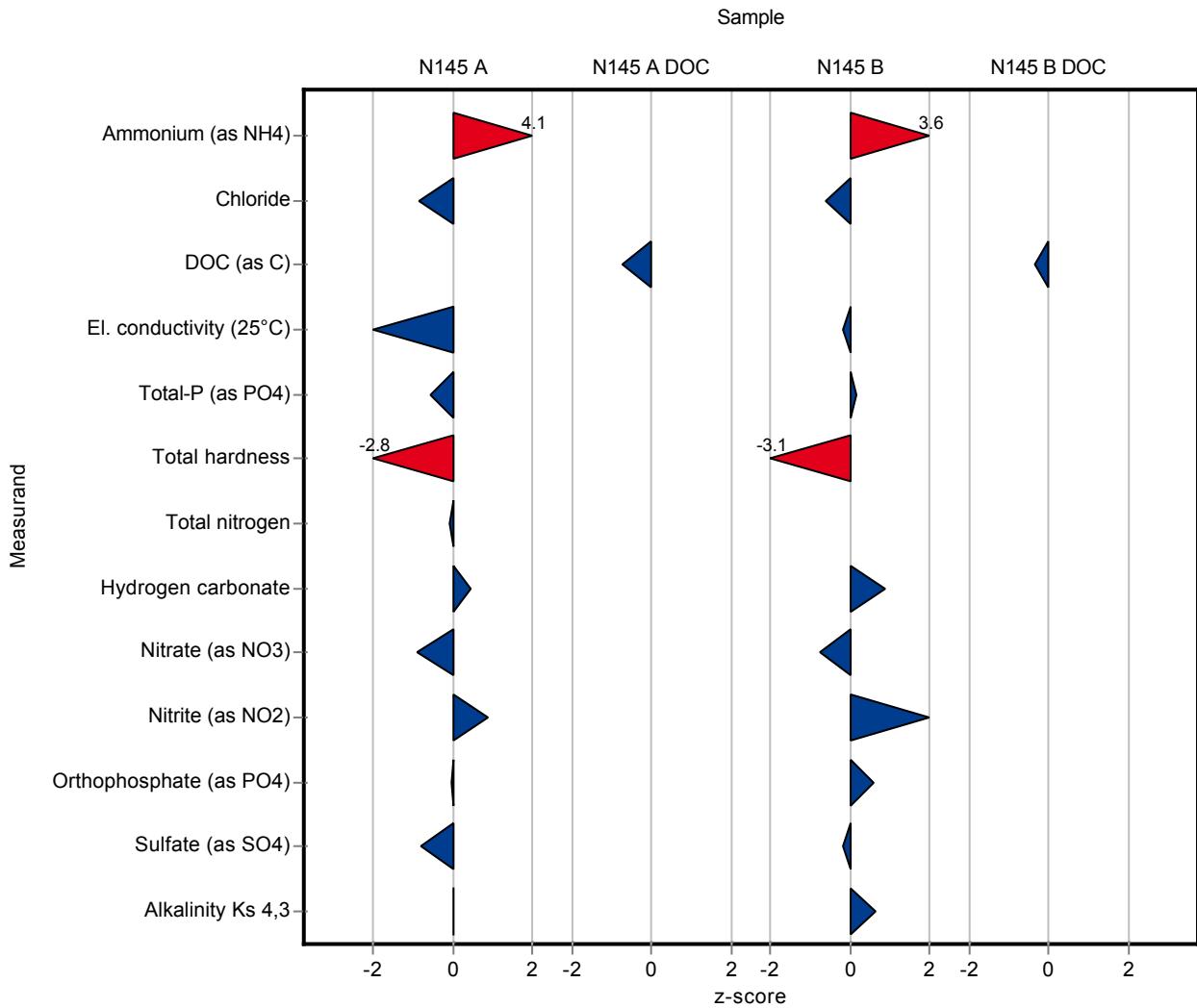
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.14 ± 0.049	0.0143	157	3.57
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	27.5 ± 2.8	1.07	97.6	-0.63
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 10	6.48	99.7	-0.20
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.139 ± 0.028	0.0122	101	0.14
Total hardness	mmol/l	2.2 ± 0.0157	2.02 ± 0.2	0.0595	91.7	-3.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	<5.4 (BG) ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	220.89 ± 22	4.7	102	0.88
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1.2	0.611	96.3	-0.76
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.069 ± 0.007	0.00423	109	1.40
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.129 ± 0.013	0.0111	105	0.60
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.6 ± 4.6	1.02	99.4	-0.17
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.62 ± 0.36	0.0725	101	0.65

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.11 ± 0.42	0.21	96.7	-0.35



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.141 ± 0.049	0.0137	165	0.57
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	21 ± 2.1	0.825	96.7	-0.17
El. conductivity (25°C)	µS/cm	481 ± 1.57	473 ± 10	6.25	98.3	-0.41
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.616 ± 0.123	0.0577	95	-0.13
Total hardness	mmol/l	2.29 ± 0.0172	2.12 ± 0.21	0.0618	92.6	-0.41
Total nitrogen	mg/l	7.48 ± 0.238	7.44 ± 0.74	0.628	99.5	-0.03
Hydrogen carbonate	mg/l	157 ± 1.09	158.65 ± 15.9	3.36	101	0.05
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	30.7 ± 3.1	1.58	95.5	-0.23
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.197 ± 0.02	0.00998	105	0.22
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.178 ± 0.018	0.0162	99.8	-0.01
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.6 ± 8.3	1.89	97.3	-0.09
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.25	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.484 ± 0.097	0.133	83.5	-0.48

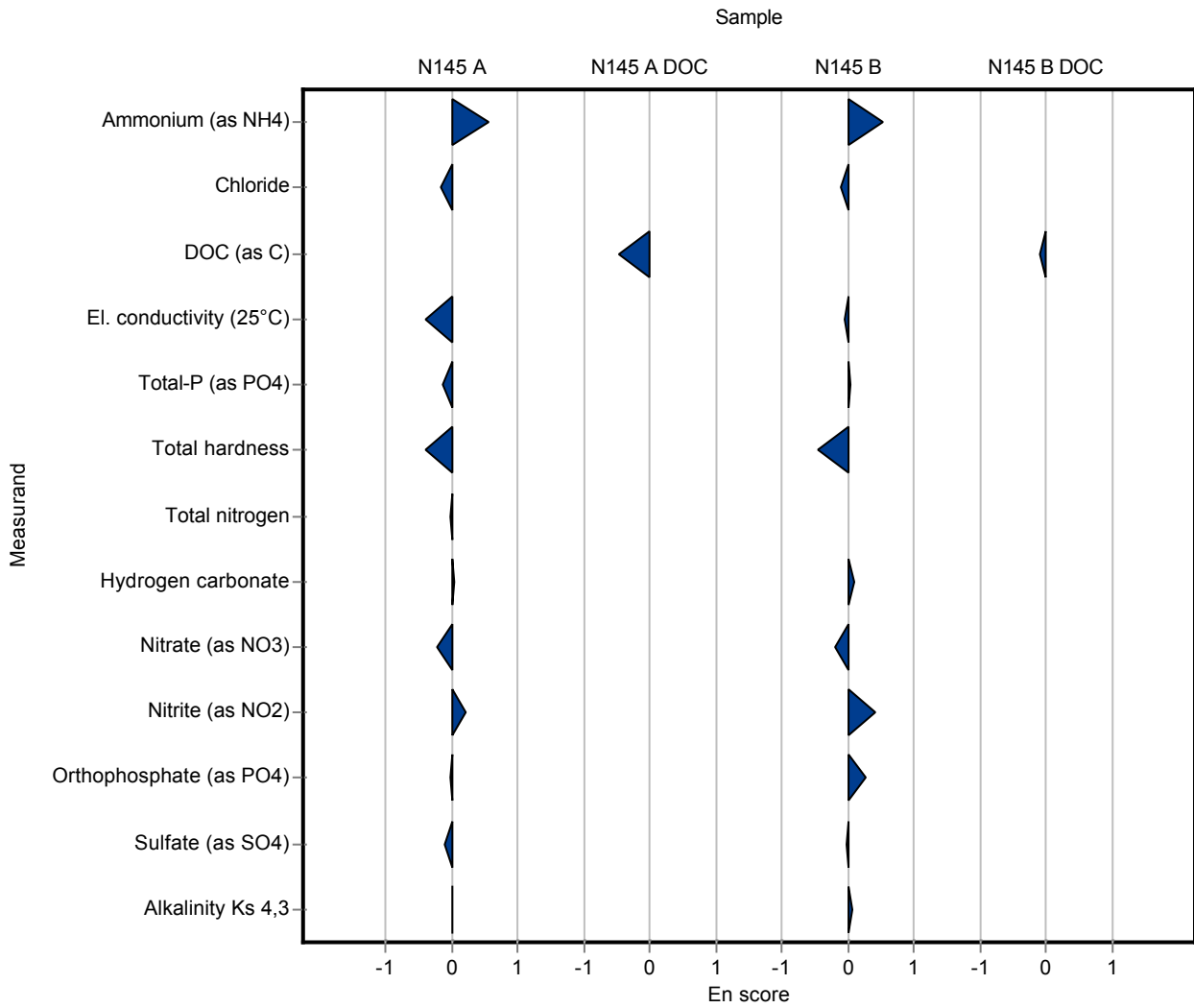
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.14 ± 0.049	0.0143	157	0.52
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	27.5 ± 2.8	1.07	97.6	-0.12
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 10	6.48	99.7	-0.06
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.139 ± 0.028	0.0122	101	0.03
Total hardness	mmol/l	2.2 ± 0.0157	2.02 ± 0.2	0.0595	91.7	-0.46

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	<5.4 (LOQ) ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	220.89 ± 22	4.7	102	0.09
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1.2	0.611	96.3	-0.19
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.069 ± 0.007	0.00423	109	0.42
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.129 ± 0.013	0.0111	105	0.26
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.6 ± 4.6	1.02	99.4	-0.02
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.62 ± 0.36	0.0725	101	0.07

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.11 ± 0.42	0.21	96.7	-0.09



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-

Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-

Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.113 ± 0.017	0.0137	132	2.02
Boron	mg/l	0.0212 ± 0.000599	0.062 ± 0.007	0.00212	292	19.20
Calcium	mg/l	61 ± 0.622	64.7 ± 5.22	2.15	106	1.70
Chloride	mg/l	21.7 ± 0.152	21.5 ± 0.78	0.825	99	-0.26
El. conductivity (25°C)	µS/cm	481 ± 1.57	477 ± 9.54	6.25	99.1	-0.66
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.622 ± 0.042	0.0577	95.9	-0.46
Total hardness	mmol/l	2.29 ± 0.0172	2.41 ± 0.241	0.0618	105	1.93
Total nitrogen	mg/l	7.48 ± 0.238	2.68 ± 0.369	0.628	35.8	-7.64
Hydrogen carbonate	mg/l	157 ± 1.09	153 ± 7.63	3.36	97.4	-1.23
Potassium	mg/l	1.18 ± 0.028	1.04 ± 0.084	0.094	88.3	-1.46
Magnesium	mg/l	18.2 ± 0.188	19.4 ± 2.07	0.651	107	1.89
Sodium	mg/l	6.75 ± 0.0891	5.8 ± 0.74	0.292	85.9	-3.26
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.1 ± 3.15	1.58	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.205 ± 0.021	0.00998	109	1.68
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.015 ± 0.0015	0.0162	8.41	-10.10
pH-value	-	7.85 ± 0.0288	7.89 ± 0.16	0.126	101	0.34
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.2 ± 4.36	1.89	104	1.10
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.55 ± 0.13	0.0525	98.1	-0.96

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.55 ± 0.062	0.133	94.8	-0.23

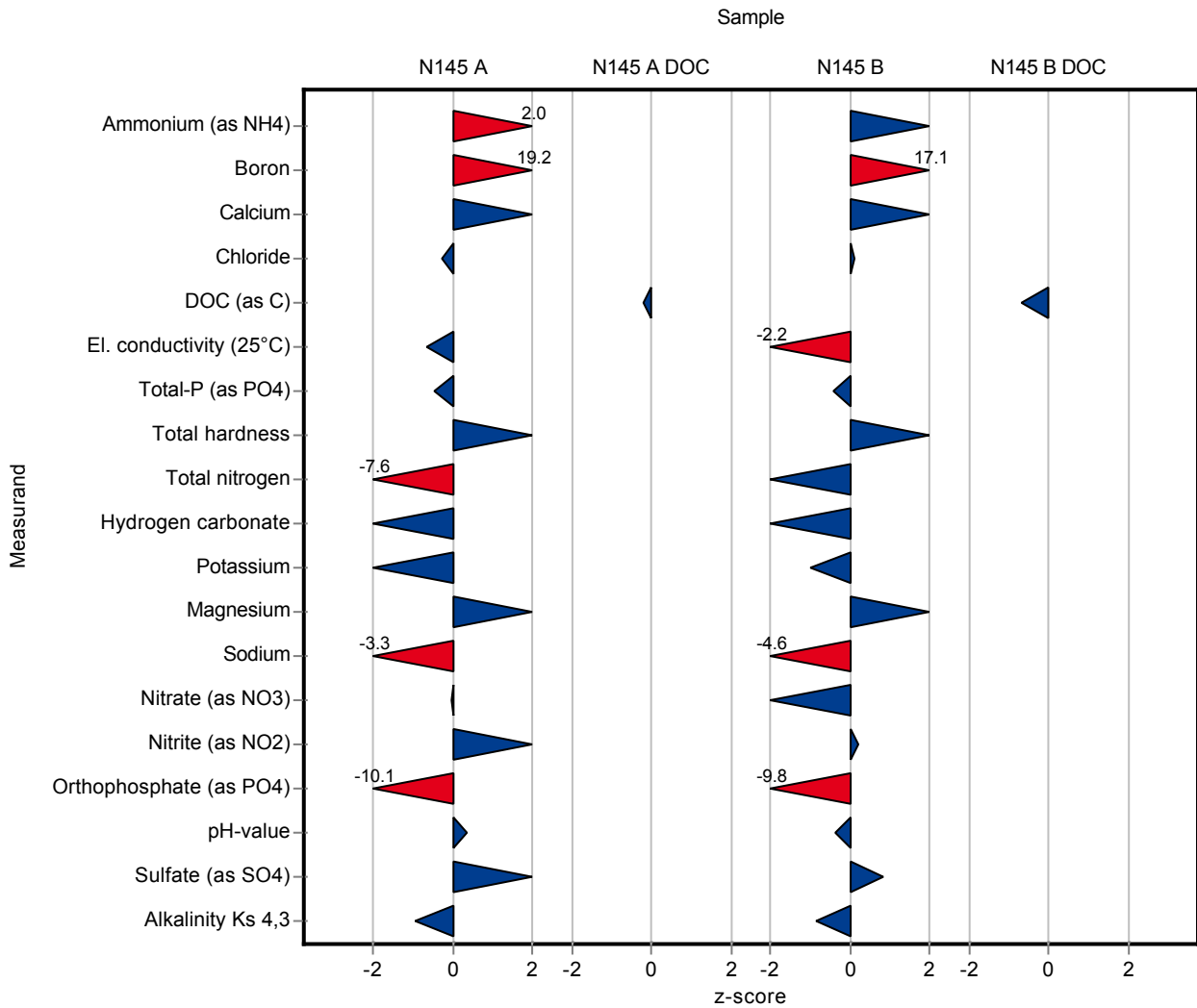
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.113 ± 0.017	0.0143	127	1.67
Boron	mg/l	0.0155 ± 0.000684	0.042 ± 0.005	0.00155	271	17.10
Calcium	mg/l	63.5 ± 0.611	67.1 ± 5.42	2.09	106	1.73
Chloride	mg/l	28.2 ± 0.219	28.3 ± 1.03	1.07	100	0.12
El. conductivity (25°C)	µS/cm	498 ± 1.43	484 ± 9.69	6.48	97.1	-2.21
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.132 ± 0.009	0.0122	96.1	-0.43
Total hardness	mmol/l	2.2 ± 0.0157	2.32 ± 0.232	0.0595	105	1.96

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.7 ± 0.373	0.252	88.9	-1.34
Hydrogen carbonate	mg/l	217 ± 1.49	211 ± 10.6	4.7	97.4	-1.22
Potassium	mg/l	2.43 ± 0.0361	2.31 ± 0.185	0.121	95.1	-0.99
Magnesium	mg/l	14.6 ± 0.152	15.6 ± 1.66	0.523	107	1.87
Sodium	mg/l	17.4 ± 0.211	14.1 ± 1.8	0.715	81	-4.62
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.7 ± 1.15	0.611	93.9	-1.25
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.006	0.00423	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.013 ± 0.0013	0.0111	10.6	-9.82
pH-value	-	8.13 ± 0.0204	8.08 ± 0.16	0.13	99.4	-0.35
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.6 ± 2.33	1.02	103	0.81
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.51 ± 0.18	0.0725	98.2	-0.87

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.04 ± 0.23	0.21	93.5	-0.68



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.113 ± 0.017	0.0137	132	0.81
Boron	mg/l	0.0212 ± 0.000599	0.062 ± 0.007	0.00212	292	2.91
Calcium	mg/l	61 ± 0.622	64.7 ± 5.22	2.15	106	0.35
Chloride	mg/l	21.7 ± 0.152	21.5 ± 0.78	0.825	99	-0.14
El. conductivity (25°C)	µS/cm	481 ± 1.57	477 ± 9.54	6.25	99.1	-0.21
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.622 ± 0.042	0.0577	95.9	-0.32
Total hardness	mmol/l	2.29 ± 0.0172	2.41 ± 0.241	0.0618	105	0.25
Total nitrogen	mg/l	7.48 ± 0.238	2.68 ± 0.369	0.628	35.8	-6.19
Hydrogen carbonate	mg/l	157 ± 1.09	153 ± 7.63	3.36	97.4	-0.27
Potassium	mg/l	1.18 ± 0.028	1.04 ± 0.084	0.094	88.3	-0.81
Magnesium	mg/l	18.2 ± 0.188	19.4 ± 2.07	0.651	107	0.30
Sodium	mg/l	6.75 ± 0.0891	5.8 ± 0.74	0.292	85.9	-0.64
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.1 ± 3.15	1.58	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.205 ± 0.021	0.00998	109	0.40
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.015 ± 0.0015	0.0162	8.41	-35.10
pH-value	-	7.85 ± 0.0288	7.89 ± 0.16	0.126	101	0.13
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.2 ± 4.36	1.89	104	0.24
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.55 ± 0.13	0.0525	98.1	-0.19

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.55 ± 0.062	0.133	94.8	-0.23

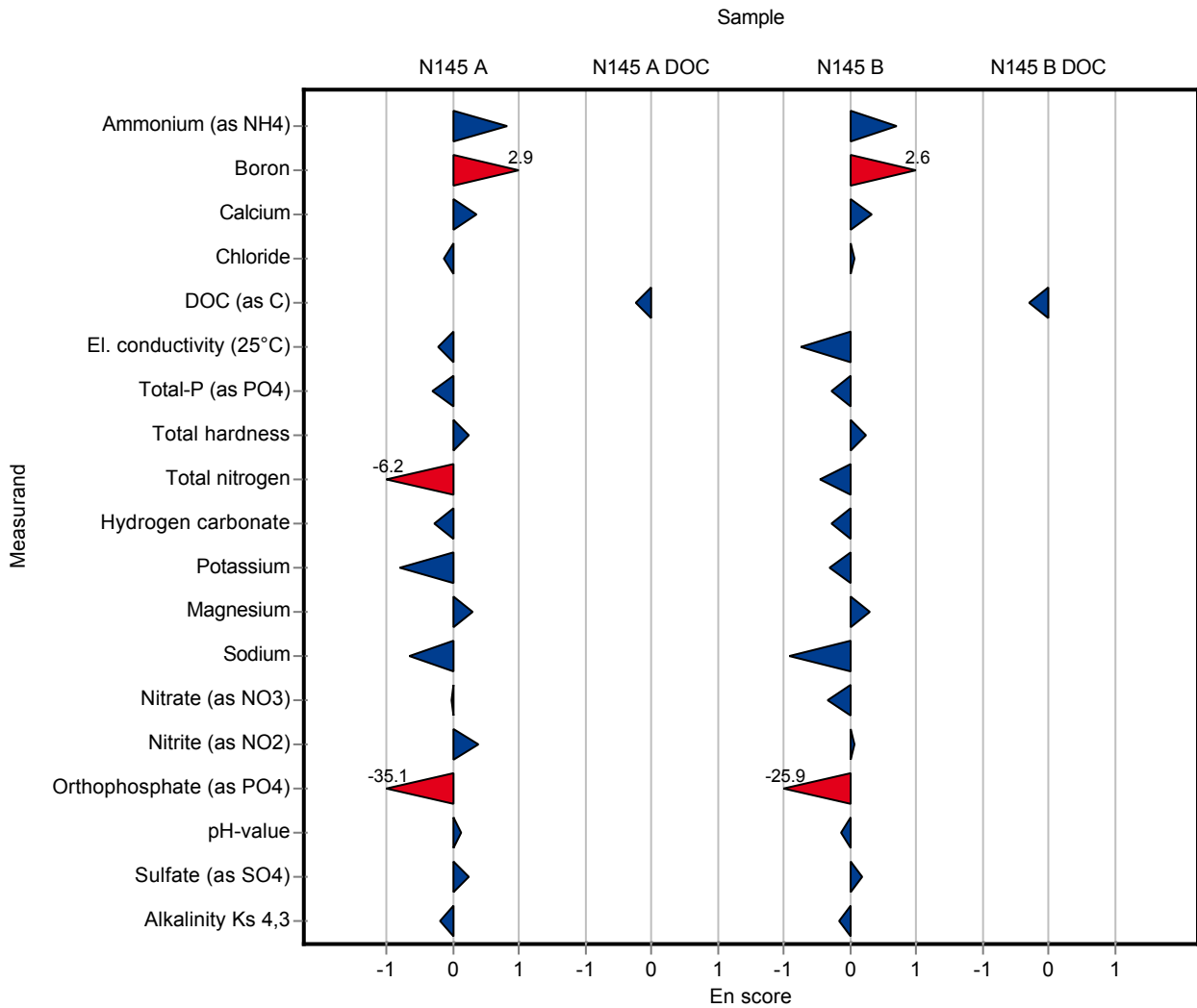
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.113 ± 0.017	0.0143	127	0.70
Boron	mg/l	0.0155 ± 0.000684	0.042 ± 0.005	0.00155	271	2.64
Calcium	mg/l	63.5 ± 0.611	67.1 ± 5.42	2.09	106	0.33
Chloride	mg/l	28.2 ± 0.219	28.3 ± 1.03	1.07	100	0.06
El. conductivity (25°C)	µS/cm	498 ± 1.43	484 ± 9.69	6.48	97.1	-0.74
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.132 ± 0.009	0.0122	96.1	-0.29
Total hardness	mmol/l	2.2 ± 0.0157	2.32 ± 0.232	0.0595	105	0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.7 ± 0.373	0.252	88.9	-0.45
Hydrogen carbonate	mg/l	217 ± 1.49	211 ± 10.6	4.7	97.4	-0.27
Potassium	mg/l	2.43 ± 0.0361	2.31 ± 0.185	0.121	95.1	-0.32
Magnesium	mg/l	14.6 ± 0.152	15.6 ± 1.66	0.523	107	0.29
Sodium	mg/l	17.4 ± 0.211	14.1 ± 1.8	0.715	81	-0.92
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	11.7 ± 1.15	0.611	93.9	-0.33
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.006	0.00423	101	0.08
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.013 ± 0.0013	0.0111	10.6	-25.90
pH-value	-	8.13 ± 0.0204	8.08 ± 0.16	0.13	99.4	-0.14
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.6 ± 2.33	1.02	103	0.18
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.51 ± 0.18	0.0725	98.2	-0.17

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.04 ± 0.23	0.21	93.5	-0.31



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.095 ± 0.006	0.0137	111	0.71
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.005	0.00212	99.1	-0.09
Calcium	mg/l	61 ± 0.622	58.7 ± 2	2.15	96.2	-1.08
Chloride	mg/l	21.7 ± 0.152	21.5 ± 1	0.825	99	-0.26
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 3	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.645 ± 0.3	0.0577	99.4	-0.06
Total hardness	mmol/l	2.29 ± 0.0172	2.2 ± 0.2	0.0618	96.1	-1.46
Total nitrogen	mg/l	7.48 ± 0.238	7.69 ± 0.5	0.628	103	0.34
Hydrogen carbonate	mg/l	157 ± 1.09	149 ± 7	3.36	94.8	-2.42
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.07	0.094	93.4	-0.82
Magnesium	mg/l	18.2 ± 0.188	17.9 ± 1	0.651	98.5	-0.42
Sodium	mg/l	6.75 ± 0.0891	6.47 ± 0.4	0.292	95.8	-0.97
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	30.4 ± 2	1.58	94.6	-1.11
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.009	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.053 ± 0.004	0.0162	29.7	-7.72
pH-value	-	7.85 ± 0.0288	7.82 ± 0.04	0.126	99.6	-0.22
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.4 ± 3	1.89	97	-0.92
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.47 ± 0.1	0.0525	95	-2.48

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.51 ± 0.09	0.133	260	6.97

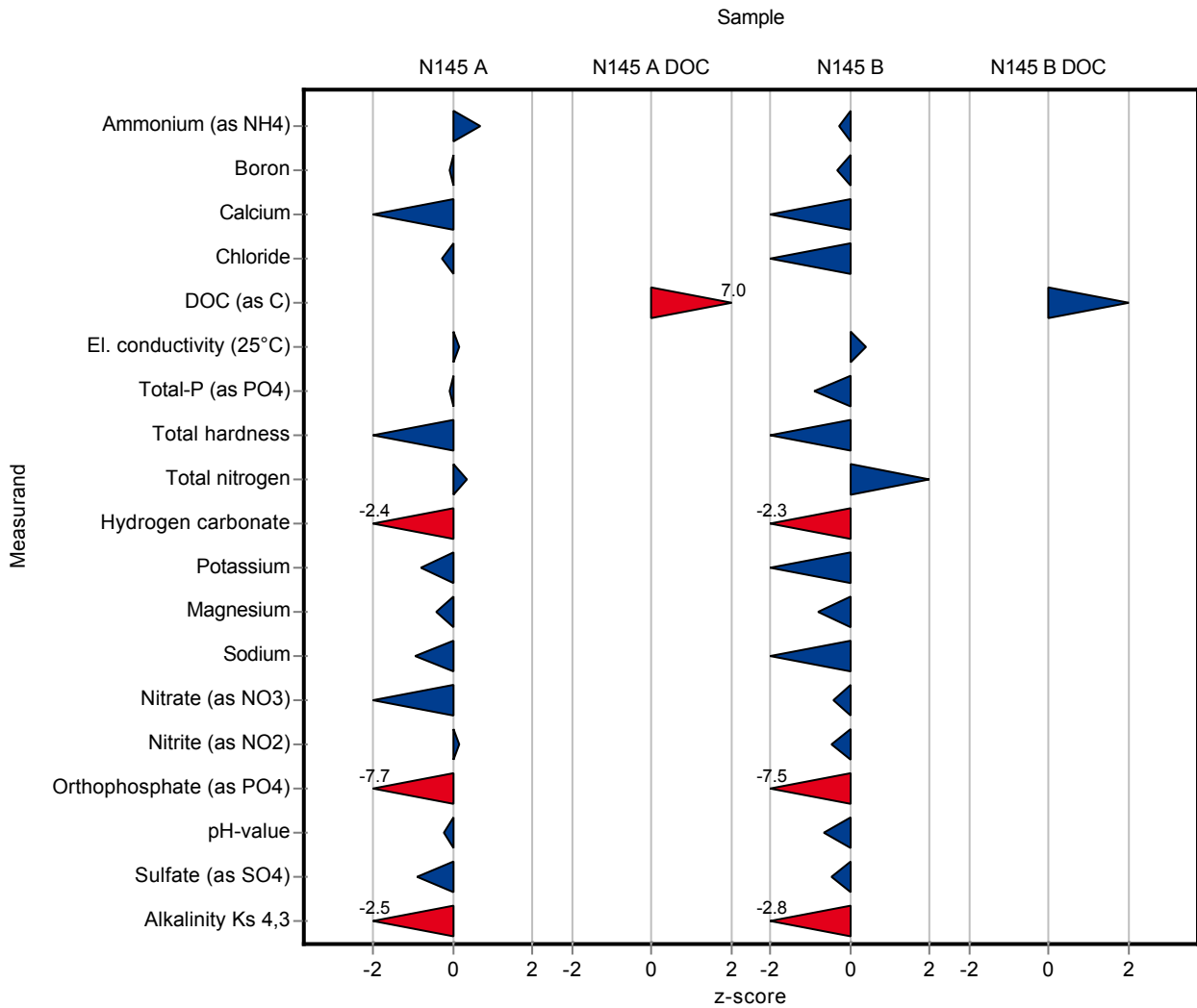
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.085 ± 0.005	0.0143	95.4	-0.29
Boron	mg/l	0.0155 ± 0.000684	0.015 ± 0.004	0.00155	96.7	-0.33
Calcium	mg/l	63.5 ± 0.611	60.8 ± 2	2.09	95.8	-1.28
Chloride	mg/l	28.2 ± 0.219	27 ± 1	1.07	95.8	-1.10
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 3	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.126 ± 0.006	0.0122	91.8	-0.93
Total hardness	mmol/l	2.2 ± 0.0157	2.1 ± 0.2	0.0595	95.3	-1.74

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.34 ± 0.2	0.252	110	1.20
Hydrogen carbonate	mg/l	217 ± 1.49	206 ± 10	4.7	95	-2.28
Potassium	mg/l	2.43 ± 0.0361	2.27 ± 0.1	0.121	93.4	-1.32
Magnesium	mg/l	14.6 ± 0.152	14.2 ± 0.9	0.523	97.1	-0.80
Sodium	mg/l	17.4 ± 0.211	16.4 ± 0.9	0.715	94.2	-1.40
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.2 ± 0.6	0.611	97.9	-0.43
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.061 ± 0.0004	0.00423	96.7	-0.49
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.039 ± 0.003	0.0111	31.9	-7.48
pH-value	-	8.13 ± 0.0204	8.04 ± 0.04	0.13	98.9	-0.66
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.3 ± 2	1.02	98.4	-0.47
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.37 ± 0.1	0.0725	94.3	-2.80

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.54 ± 0.1	0.21	116	1.70



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.095 ± 0.006	0.0137	111	0.79
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.005	0.00212	99.1	-0.02
Calcium	mg/l	61 ± 0.622	58.7 ± 2	2.15	96.2	-0.58
Chloride	mg/l	21.7 ± 0.152	21.5 ± 1	0.825	99	-0.11
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 3	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.645 ± 0.3	0.0577	99.4	-0.01
Total hardness	mmol/l	2.29 ± 0.0172	2.2 ± 0.2	0.0618	96.1	-0.23
Total nitrogen	mg/l	7.48 ± 0.238	7.69 ± 0.5	0.628	103	0.20
Hydrogen carbonate	mg/l	157 ± 1.09	149 ± 7	3.36	94.8	-0.58
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.07	0.094	93.4	-0.54
Magnesium	mg/l	18.2 ± 0.188	17.9 ± 1	0.651	98.5	-0.14
Sodium	mg/l	6.75 ± 0.0891	6.47 ± 0.4	0.292	95.8	-0.35
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	30.4 ± 2	1.58	94.6	-0.44
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.009	0.00998	101	0.10
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.053 ± 0.004	0.0162	29.7	-14.30
pH-value	-	7.85 ± 0.0288	7.82 ± 0.04	0.126	99.6	-0.33
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.4 ± 3	1.89	97	-0.29
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.47 ± 0.1	0.0525	95	-0.65

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.51 ± 0.09	0.133	260	5.00

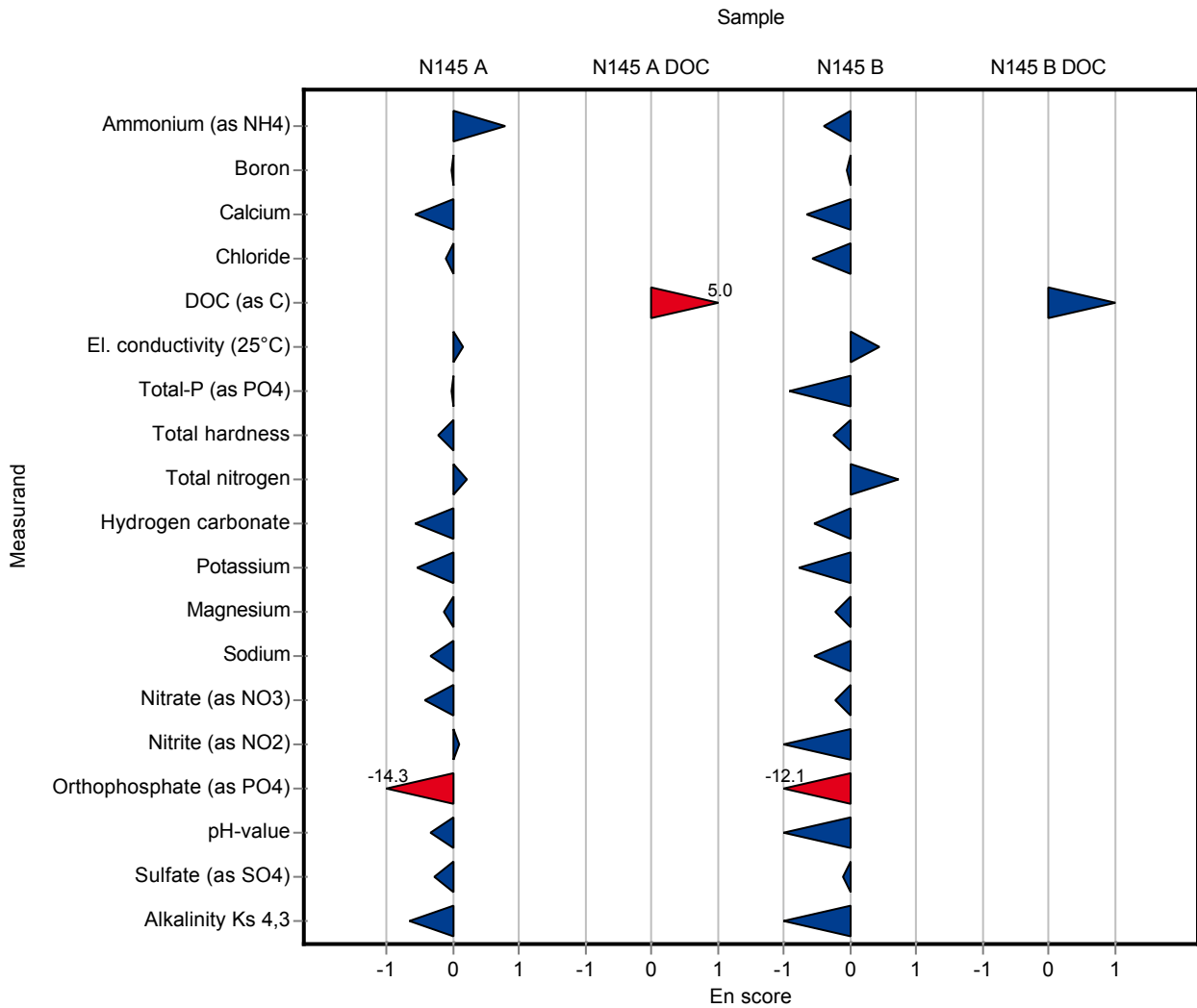
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.085 ± 0.005	0.0143	95.4	-0.39
Boron	mg/l	0.0155 ± 0.000684	0.015 ± 0.004	0.00155	96.7	-0.06
Calcium	mg/l	63.5 ± 0.611	60.8 ± 2	2.09	95.8	-0.66
Chloride	mg/l	28.2 ± 0.219	27 ± 1	1.07	95.8	-0.58
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 3	6.48	101	0.44
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.126 ± 0.006	0.0122	91.8	-0.91
Total hardness	mmol/l	2.2 ± 0.0157	2.1 ± 0.2	0.0595	95.3	-0.26

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.34 ± 0.2	0.252	110	0.74
Hydrogen carbonate	mg/l	217 ± 1.49	206 ± 10	4.7	95	-0.54
Potassium	mg/l	2.43 ± 0.0361	2.27 ± 0.1	0.121	93.4	-0.79
Magnesium	mg/l	14.6 ± 0.152	14.2 ± 0.9	0.523	97.1	-0.23
Sodium	mg/l	17.4 ± 0.211	16.4 ± 0.9	0.715	94.2	-0.55
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.2 ± 0.6	0.611	97.9	-0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.061 ± 0.0004	0.00423	96.7	-1.39
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.039 ± 0.003	0.0111	31.9	-12.10
pH-value	-	8.13 ± 0.0204	8.04 ± 0.04	0.13	98.9	-1.04
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.3 ± 2	1.02	98.4	-0.12
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.37 ± 0.1	0.0725	94.3	-1.01

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.54 ± 0.1	0.21	116	1.71



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.076 ± 0.0076	0.0137	89	-0.69
Boron	mg/l	0.0212 ± 0.000599	0.027 ± 0.0032	0.00212	127	2.74
Calcium	mg/l	61 ± 0.622	61.31 ± 2.452	2.15	100	0.13
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.876	0.825	101	0.23
El. conductivity (25°C)	µS/cm	481 ± 1.57	468 ± 18.7	6.25	97.3	-2.10
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.629 ± 0.0944	0.0577	97	-0.34
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.23	0.0618	100	0.16
Total nitrogen	mg/l	7.48 ± 0.238	8 ± 0.72	0.628	107	0.83
Hydrogen carbonate	mg/l	157 ± 1.09	155 ± 23.25	3.36	98.6	-0.64
Potassium	mg/l	1.18 ± 0.028	1.27 ± 0.127	0.094	108	0.98
Magnesium	mg/l	18.2 ± 0.188	18.71 ± 1.123	0.651	103	0.83
Sodium	mg/l	6.75 ± 0.0891	6.63 ± 0.398	0.292	98.2	-0.42
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.244 ± 1.2898	1.58	100	0.06
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.181 ± 0.0145	0.00998	96.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.16 ± 0.0192	0.0162	89.7	-1.13
pH-value	-	7.85 ± 0.0288	7.3 ± 0.44	0.126	93	-4.36
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.85 ± 3.351	1.89	97.8	-0.68
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.54 ± 0.381	0.0525	97.7	-1.15

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.04	0.133	86.2	-0.60

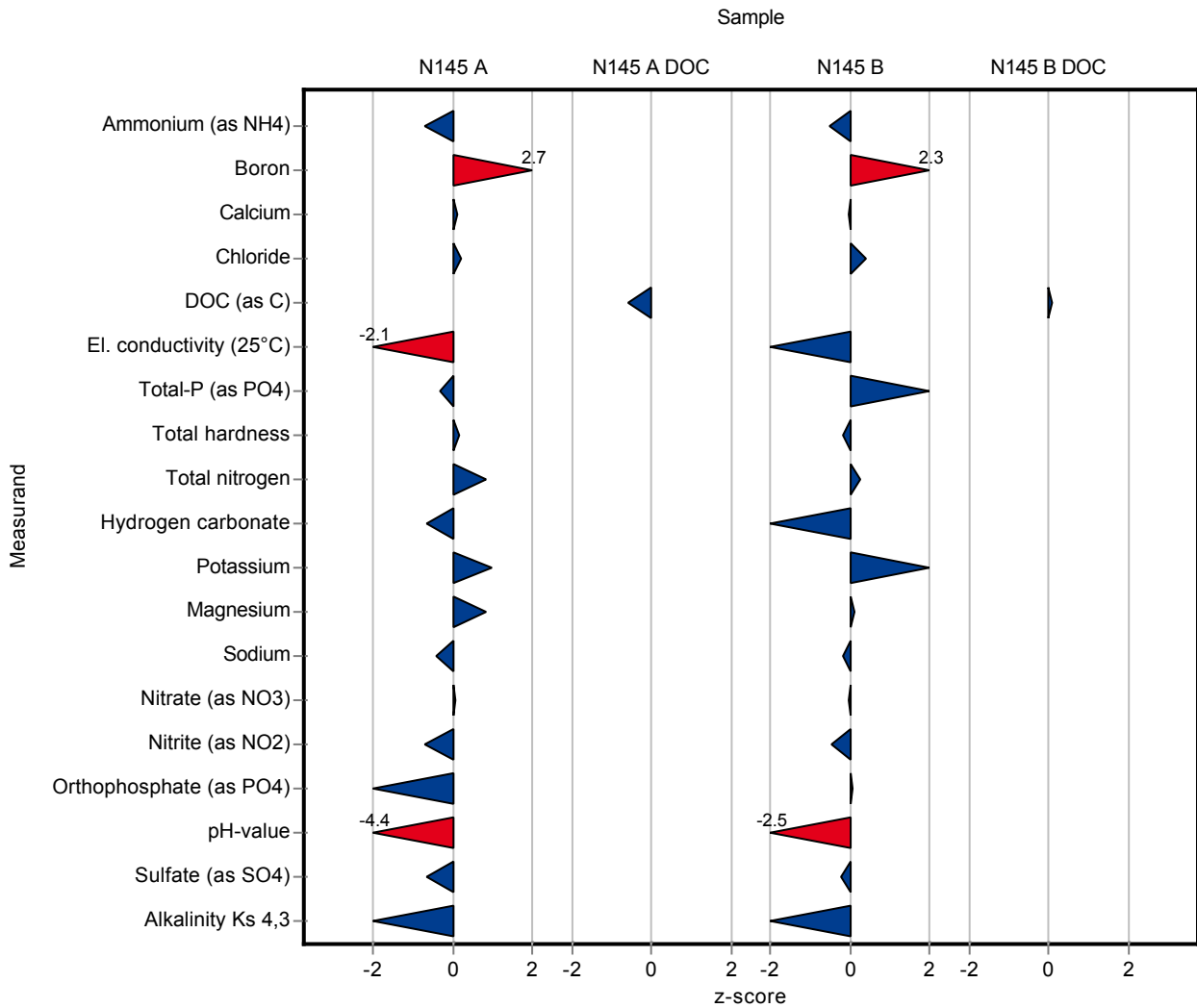
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.082 ± 0.0082	0.0143	92	-0.50
Boron	mg/l	0.0155 ± 0.000684	0.019 ± 0.0023	0.00155	123	2.26
Calcium	mg/l	63.5 ± 0.611	63.41 ± 2.536	2.09	99.9	-0.03
Chloride	mg/l	28.2 ± 0.219	28.59 ± 1.144	1.07	101	0.39
El. conductivity (25°C)	µS/cm	498 ± 1.43	487 ± 19.5	6.48	97.7	-1.74
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.15 ± 0.022	0.0122	109	1.04
Total hardness	mmol/l	2.2 ± 0.0157	2.193 ± 0.2193	0.0595	99.5	-0.18

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.1 ± 0.28	0.252	102	0.25
Hydrogen carbonate	mg/l	217 ± 1.49	211.7 ± 31.76	4.7	97.7	-1.07
Potassium	mg/l	2.43 ± 0.0361	2.62 ± 0.262	0.121	108	1.57
Magnesium	mg/l	14.6 ± 0.152	14.67 ± 0.88	0.523	100	0.10
Sodium	mg/l	17.4 ± 0.211	17.27 ± 1.036	0.715	99.2	-0.19
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.442 ± 0.4977	0.611	99.8	-0.04
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.061 ± 0.0049	0.00423	96.7	-0.49
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.123 ± 0.0148	0.0111	101	0.06
pH-value	-	8.13 ± 0.0204	7.8 ± 0.47	0.13	96	-2.51
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.55 ± 1.833	1.02	99.3	-0.22
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.47 ± 0.521	0.0725	97.1	-1.42

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.2 ± 0.18	0.21	101	0.08



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.076 ± 0.0076	0.0137	89	-0.61
Boron	mg/l	0.0212 ± 0.000599	0.027 ± 0.0032	0.00212	127	0.90
Calcium	mg/l	61 ± 0.622	61.31 ± 2.452	2.15	100	0.06
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.876	0.825	101	0.11
El. conductivity (25°C)	µS/cm	481 ± 1.57	468 ± 18.7	6.25	97.3	-0.35
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.629 ± 0.0944	0.0577	97	-0.10
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.23	0.0618	100	0.02
Total nitrogen	mg/l	7.48 ± 0.238	8 ± 0.72	0.628	107	0.36
Hydrogen carbonate	mg/l	157 ± 1.09	155 ± 23.25	3.36	98.6	-0.05
Potassium	mg/l	1.18 ± 0.028	1.27 ± 0.127	0.094	108	0.36
Magnesium	mg/l	18.2 ± 0.188	18.71 ± 1.123	0.651	103	0.24
Sodium	mg/l	6.75 ± 0.0891	6.63 ± 0.398	0.292	98.2	-0.15
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.244 ± 1.2898	1.58	100	0.04
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.181 ± 0.0145	0.00998	96.1	-0.25
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.16 ± 0.0192	0.0162	89.7	-0.47
pH-value	-	7.85 ± 0.0288	7.3 ± 0.44	0.126	93	-0.62
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.85 ± 3.351	1.89	97.8	-0.19
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.54 ± 0.381	0.0525	97.7	-0.08

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.04	0.133	86.2	-0.86

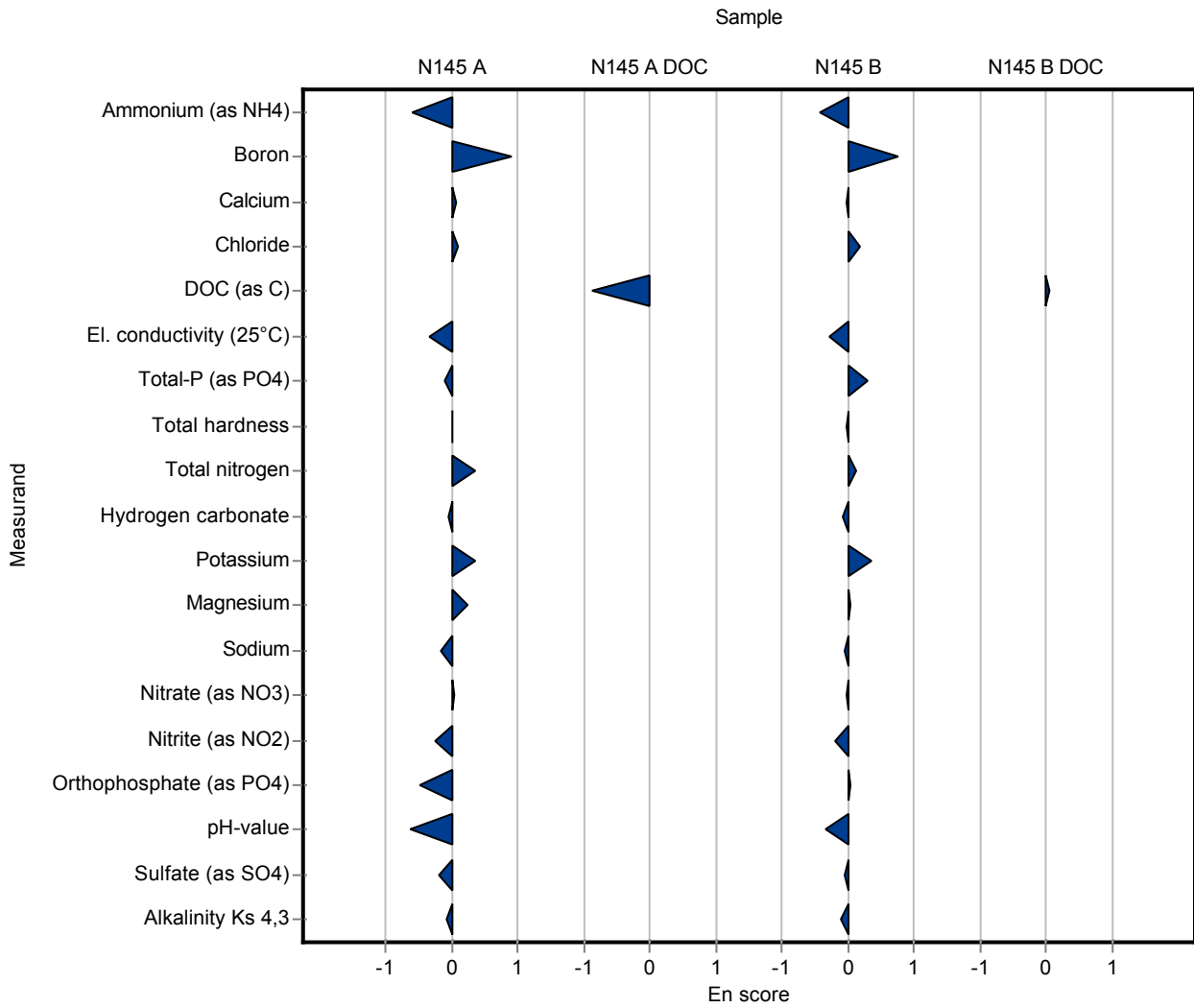
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.082 ± 0.0082	0.0143	92	-0.42
Boron	mg/l	0.0155 ± 0.000684	0.019 ± 0.0023	0.00155	123	0.75
Calcium	mg/l	63.5 ± 0.611	63.41 ± 2.536	2.09	99.9	-0.01
Chloride	mg/l	28.2 ± 0.219	28.59 ± 1.144	1.07	101	0.18
El. conductivity (25°C)	µS/cm	498 ± 1.43	487 ± 19.5	6.48	97.7	-0.29
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.15 ± 0.022	0.0122	109	0.29
Total hardness	mmol/l	2.2 ± 0.0157	2.193 ± 0.2193	0.0595	99.5	-0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.1 ± 0.28	0.252	102	0.11
Hydrogen carbonate	mg/l	217 ± 1.49	211.7 ± 31.76	4.7	97.7	-0.08
Potassium	mg/l	2.43 ± 0.0361	2.62 ± 0.262	0.121	108	0.36
Magnesium	mg/l	14.6 ± 0.152	14.67 ± 0.88	0.523	100	0.03
Sodium	mg/l	17.4 ± 0.211	17.27 ± 1.036	0.715	99.2	-0.06
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.442 ± 0.4977	0.611	99.8	-0.02
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.061 ± 0.0049	0.00423	96.7	-0.21
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.123 ± 0.0148	0.0111	101	0.02
pH-value	-	8.13 ± 0.0204	7.8 ± 0.47	0.13	96	-0.35
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.55 ± 1.833	1.02	99.3	-0.06
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.47 ± 0.521	0.0725	97.1	-0.10

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.2 ± 0.18	0.21	101	0.05



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0869 ± 0.009	0.0137	102	0.11
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.3 ± 3.17	2.15	104	1.05
Chloride	mg/l	21.7 ± 0.152	21.9 ± 1.1	0.825	101	0.23
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± 14.4	6.25	99.8	-0.18
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.667 ± 0.033	0.0577	103	0.32
Total hardness	mmol/l	2.29 ± 0.0172	2.35 ± 0.12	0.0618	103	0.96
Total nitrogen	mg/l	7.48 ± 0.238	6.99 ± 0.35	0.628	93.5	-0.78
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± 8.01	3.36	102	0.85
Potassium	mg/l	1.18 ± 0.028	1.05 ± 0.052	0.094	89.2	-1.36
Magnesium	mg/l	18.2 ± 0.188	18.7 ± 0.937	0.651	103	0.81
Sodium	mg/l	6.75 ± 0.0891	6.91 ± 0.346	0.292	102	0.54
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.4 ± 1.57	1.58	97.7	-0.48
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.192 ± 0.01	0.00998	102	0.38
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.205 ± 0.01	0.0162	115	1.64
pH-value	-	7.85 ± 0.0288	7.9 ± 0.1	0.126	101	0.42
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.1 ± 2.81	1.89	98.2	-0.55
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.131	0.0525	101	0.57

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.737 ± 0.074	0.133	127	1.18

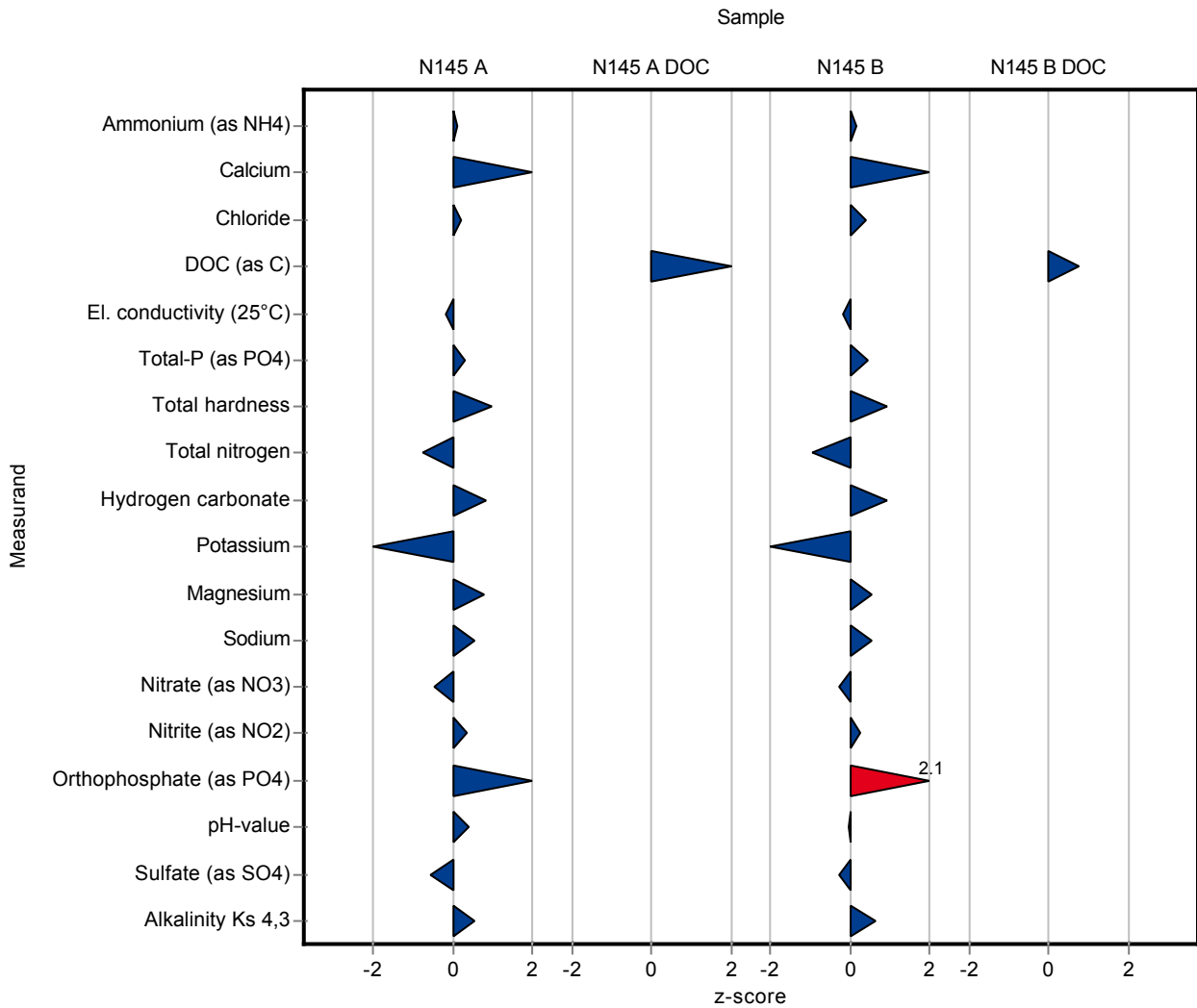
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0913 ± 0.009	0.0143	102	0.15
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66.2 ± 3.31	2.09	104	1.30
Chloride	mg/l	28.2 ± 0.219	28.6 ± 1.43	1.07	102	0.40
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 14.9	6.48	99.7	-0.20
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.143 ± 0.007	0.0122	104	0.47
Total hardness	mmol/l	2.2 ± 0.0157	2.26 ± 0.113	0.0595	103	0.95

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.8 ± 0.14	0.252	92.2	-0.94
Hydrogen carbonate	mg/l	217 ± 1.49	221 ± 11	4.7	102	0.91
Potassium	mg/l	2.43 ± 0.0361	2.23 ± 0.111	0.121	91.8	-1.65
Magnesium	mg/l	14.6 ± 0.152	14.9 ± 0.743	0.523	102	0.54
Sodium	mg/l	17.4 ± 0.211	17.8 ± 0.889	0.715	102	0.55
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 0.61	0.611	98.7	-0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0642 ± 0.003	0.00423	102	0.27
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.146 ± 0.007	0.0111	119	2.13
pH-value	-	8.13 ± 0.0204	8.12 ± 0.1	0.13	99.9	-0.04
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.5 ± 1.52	1.02	99.1	-0.27
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.62 ± 0.181	0.0725	101	0.65

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.34 ± 0.234	0.21	107	0.75



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0869 ± 0.009	0.0137	102	0.09
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.3 ± 3.17	2.15	104	0.35
Chloride	mg/l	21.7 ± 0.152	21.9 ± 1.1	0.825	101	0.08
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± 14.4	6.25	99.8	-0.04
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.667 ± 0.033	0.0577	103	0.27
Total hardness	mmol/l	2.29 ± 0.0172	2.35 ± 0.12	0.0618	103	0.25
Total nitrogen	mg/l	7.48 ± 0.238	6.99 ± 0.35	0.628	93.5	-0.66
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± 8.01	3.36	102	0.18
Potassium	mg/l	1.18 ± 0.028	1.05 ± 0.052	0.094	89.2	-1.18
Magnesium	mg/l	18.2 ± 0.188	18.7 ± 0.937	0.651	103	0.28
Sodium	mg/l	6.75 ± 0.0891	6.91 ± 0.346	0.292	102	0.23
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.4 ± 1.57	1.58	97.7	-0.24
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.192 ± 0.01	0.00998	102	0.19
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.205 ± 0.01	0.0162	115	1.31
pH-value	-	7.85 ± 0.0288	7.9 ± 0.1	0.126	101	0.26
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.1 ± 2.81	1.89	98.2	-0.18
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.131	0.0525	101	0.11

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.737 ± 0.074	0.133	127	1.01

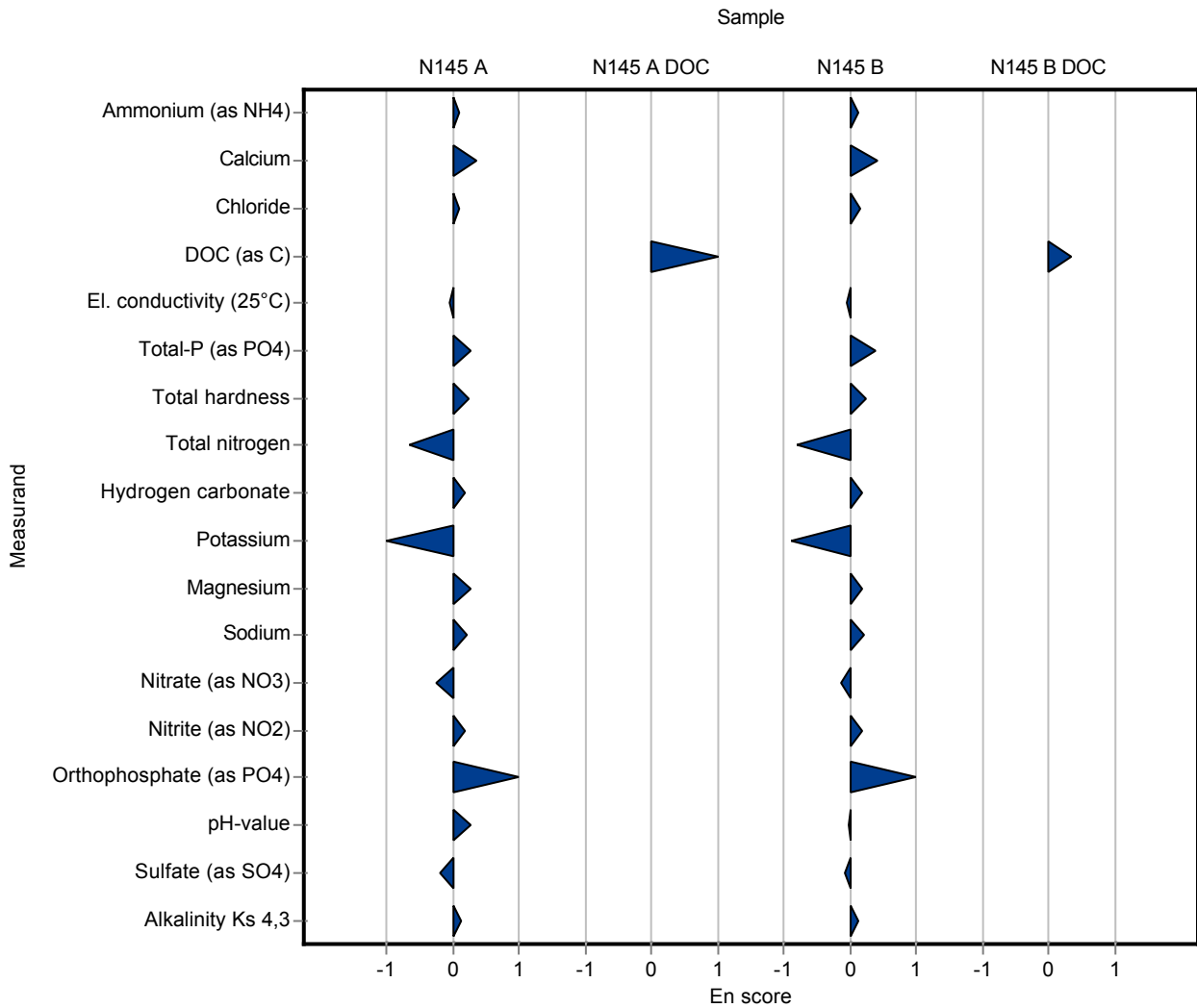
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0913 ± 0.009	0.0143	102	0.12
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66.2 ± 3.31	2.09	104	0.41
Chloride	mg/l	28.2 ± 0.219	28.6 ± 1.43	1.07	102	0.15
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 14.9	6.48	99.7	-0.04
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.143 ± 0.007	0.0122	104	0.40
Total hardness	mmol/l	2.2 ± 0.0157	2.26 ± 0.113	0.0595	103	0.25

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.8 ± 0.14	0.252	92.2	-0.80
Hydrogen carbonate	mg/l	217 ± 1.49	221 ± 11	4.7	102	0.19
Potassium	mg/l	2.43 ± 0.0361	2.23 ± 0.111	0.121	91.8	-0.89
Magnesium	mg/l	14.6 ± 0.152	14.9 ± 0.743	0.523	102	0.19
Sodium	mg/l	17.4 ± 0.211	17.8 ± 0.889	0.715	102	0.22
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 0.61	0.611	98.7	-0.13
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0642 ± 0.003	0.00423	102	0.18
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.146 ± 0.007	0.0111	119	1.65
pH-value	-	8.13 ± 0.0204	8.12 ± 0.1	0.13	99.9	-0.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.5 ± 1.52	1.02	99.1	-0.09
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.62 ± 0.181	0.0725	101	0.13

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.34 ± 0.234	0.21	107	0.33



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.087 ± 2.1	0.0137	102	0.12
Boron	mg/l	0.0212 ± 0.000599	0.0175 ± 0.8	0.00212	82.5	-1.75
Calcium	mg/l	61 ± 0.622	55 ± 12	2.15	90.1	-2.80
Chloride	mg/l	21.7 ± 0.152	20.76 ± 2.6	0.825	95.6	-1.16
El. conductivity (25°C)	µS/cm	481 ± 1.57	485.4 ± 1.5	6.25	101	0.68
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.628 ± 0.4	0.0577	96.8	-0.36
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 1	0.0618	100	0.16
Total nitrogen	mg/l	7.48 ± 0.238	8.4 ± 2	0.628	112	1.46
Hydrogen carbonate	mg/l	157 ± 1.09	159.9 ± 6.2	3.36	102	0.82
Potassium	mg/l	1.18 ± 0.028	1.13 ± 3.4	0.094	96	-0.51
Magnesium	mg/l	18.2 ± 0.188	17.7 ± 9.2	0.651	97.4	-0.73
Sodium	mg/l	6.75 ± 0.0891	6.75 ± 3.2	0.292	100	-0.01
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.9 ± 2.3	1.58	102	0.47
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.017 ± 1.9	0.00998	9.03	-17.20
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 3.5	0.0162	99.3	-0.08
pH-value	-	7.85 ± 0.0288	7.78 ± 1.5	0.126	99.1	-0.54
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.9 ± 2.6	1.89	99.6	-0.12
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.62 ± 5.6	0.0525	101	0.38

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.45 ± 2.3	0.133	77.6	-0.97

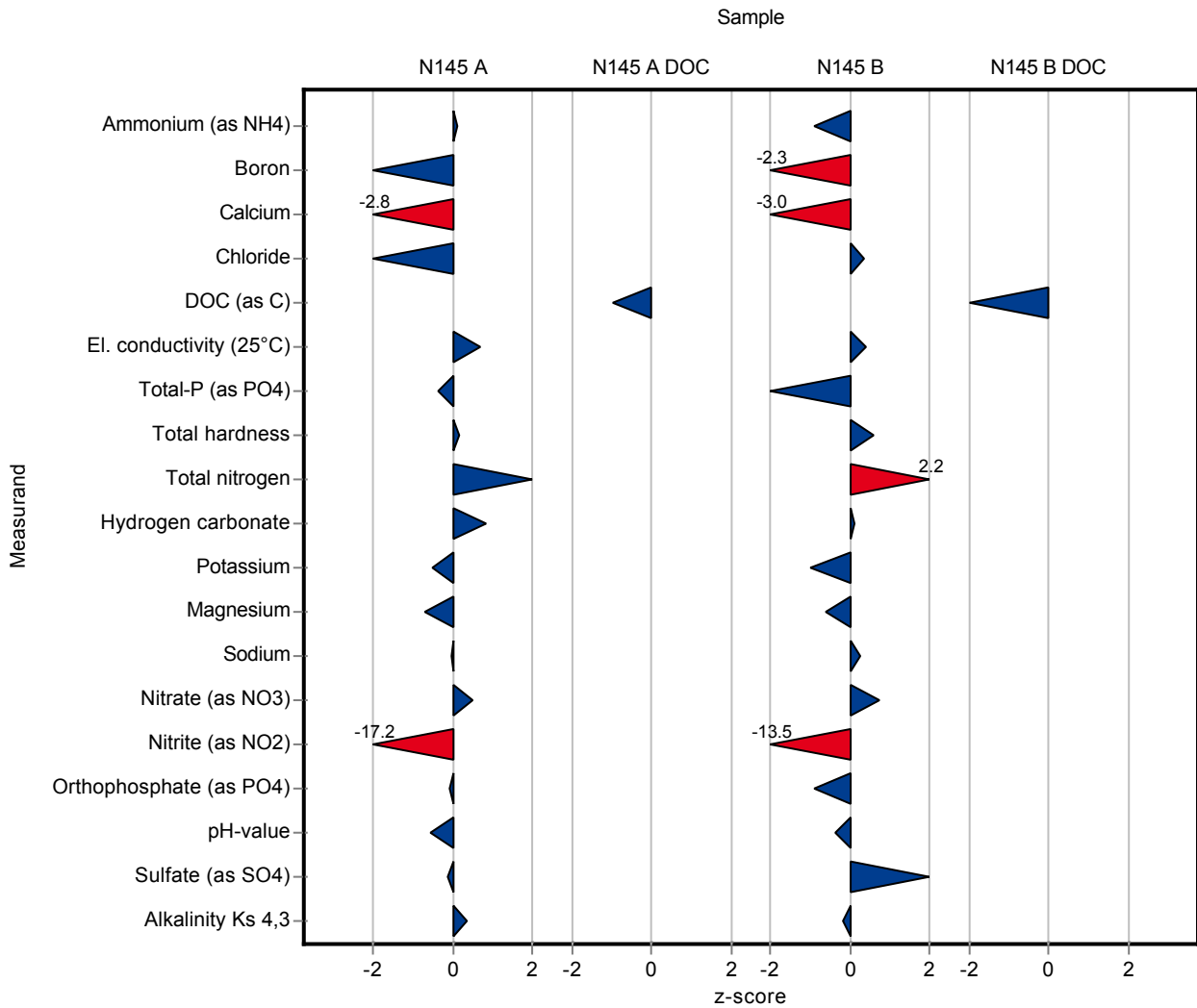
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.076 ± 2.1	0.0143	85.3	-0.92
Boron	mg/l	0.0155 ± 0.000684	0.0119 ± 0.8	0.00155	76.8	-2.33
Calcium	mg/l	63.5 ± 0.611	57.2 ± 12	2.09	90.1	-3.00
Chloride	mg/l	28.2 ± 0.219	28.57 ± 2.6	1.07	101	0.37
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 1.5	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.125 ± 0.4	0.0122	91	-1.01
Total hardness	mmol/l	2.2 ± 0.0157	2.24 ± 1	0.0595	102	0.61

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.58 ± 2	0.252	118	2.15
Hydrogen carbonate	mg/l	217 ± 1.49	217.2 ± 6.2	4.7	100	0.10
Potassium	mg/l	2.43 ± 0.0361	2.31 ± 3.4	0.121	95.1	-0.99
Magnesium	mg/l	14.6 ± 0.152	14.3 ± 9.2	0.523	97.8	-0.61
Sodium	mg/l	17.4 ± 0.211	17.6 ± 3.2	0.715	101	0.27
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.9 ± 2.3	0.611	103	0.71
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.006 ± 1.9	0.00423	9.51	-13.50
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.112 ± 3.5	0.0111	91.6	-0.93
pH-value	-	8.13 ± 0.0204	8.08 ± 1.5	0.13	99.4	-0.35
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.9 ± 2.6	1.02	104	1.10
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 5.6	0.0725	99.6	-0.18

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.93 ± 2.3	0.21	88.4	-1.21



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.087 ± 2.1	0.0137	102	0.00
Boron	mg/l	0.0212 ± 0.000599	0.0175 ± 0.8	0.00212	82.5	0.00
Calcium	mg/l	61 ± 0.622	55 ± 12	2.15	90.1	-0.25
Chloride	mg/l	21.7 ± 0.152	20.76 ± 2.6	0.825	95.6	-0.18
El. conductivity (25°C)	µS/cm	481 ± 1.57	485.4 ± 1.5	6.25	101	1.26
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.628 ± 0.4	0.0577	96.8	-0.03
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 1	0.0618	100	0.00
Total nitrogen	mg/l	7.48 ± 0.238	8.4 ± 2	0.628	112	0.23
Hydrogen carbonate	mg/l	157 ± 1.09	159.9 ± 6.2	3.36	102	0.22
Potassium	mg/l	1.18 ± 0.028	1.13 ± 3.4	0.094	96	-0.01
Magnesium	mg/l	18.2 ± 0.188	17.7 ± 9.2	0.651	97.4	-0.03
Sodium	mg/l	6.75 ± 0.0891	6.75 ± 3.2	0.292	100	0.00
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.9 ± 2.3	1.58	102	0.16
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.017 ± 1.9	0.00998	9.03	-0.05
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 3.5	0.0162	99.3	0.00
pH-value	-	7.85 ± 0.0288	7.78 ± 1.5	0.126	99.1	-0.02
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.9 ± 2.6	1.89	99.6	-0.04
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.62 ± 5.6	0.0525	101	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.45 ± 2.3	0.133	77.6	-0.03

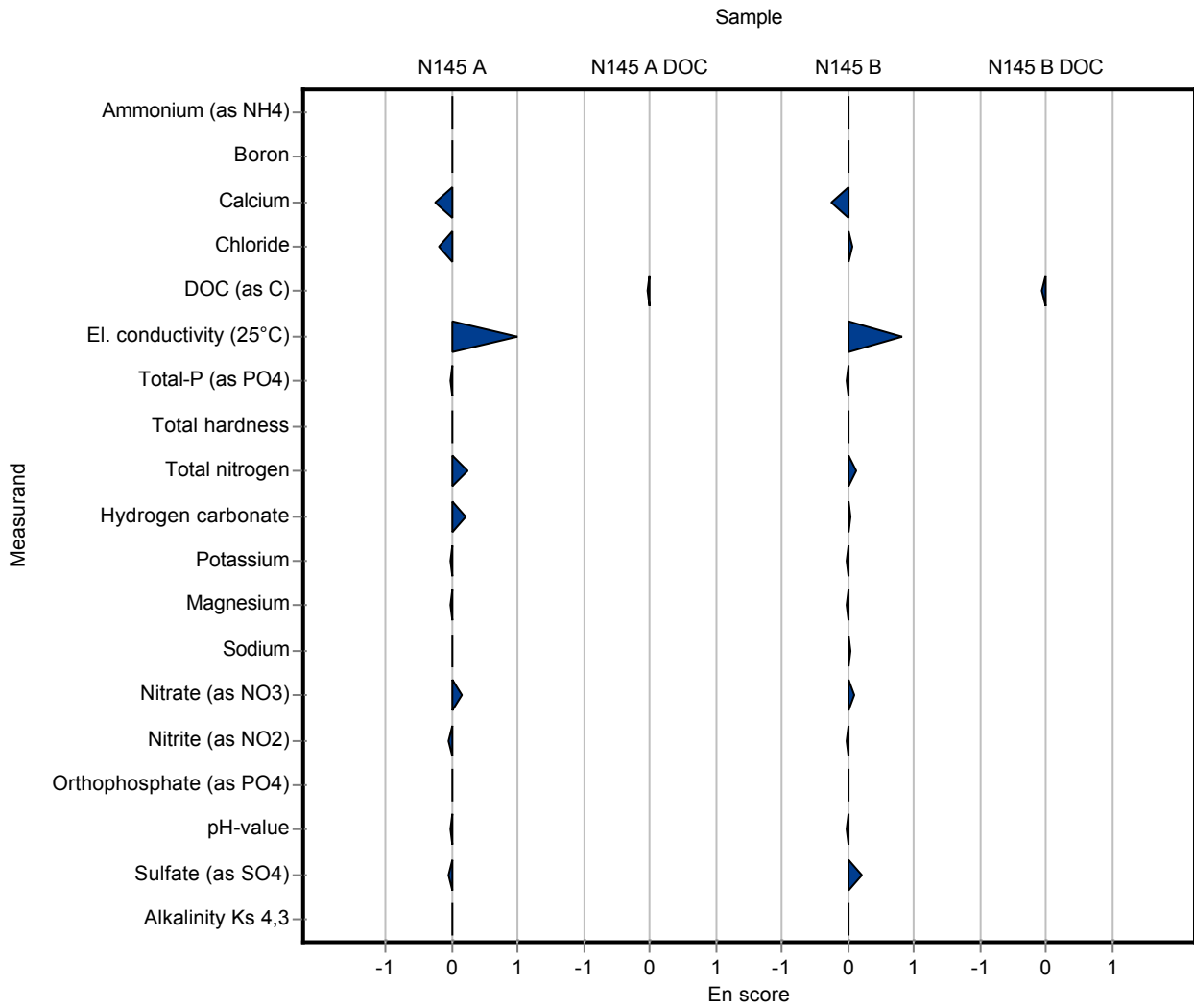
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.076 ± 2.1	0.0143	85.3	0.00
Boron	mg/l	0.0155 ± 0.000684	0.0119 ± 0.8	0.00155	76.8	0.00
Calcium	mg/l	63.5 ± 0.611	57.2 ± 12	2.09	90.1	-0.26
Chloride	mg/l	28.2 ± 0.219	28.57 ± 2.6	1.07	101	0.08
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 1.5	6.48	101	0.81
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.125 ± 0.4	0.0122	91	-0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.24 ± 1	0.0595	102	0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.58 ± 2	0.252	118	0.14
Hydrogen carbonate	mg/l	217 ± 1.49	217.2 ± 6.2	4.7	100	0.04
Potassium	mg/l	2.43 ± 0.0361	2.31 ± 3.4	0.121	95.1	-0.02
Magnesium	mg/l	14.6 ± 0.152	14.3 ± 9.2	0.523	97.8	-0.02
Sodium	mg/l	17.4 ± 0.211	17.6 ± 3.2	0.715	101	0.03
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.9 ± 2.3	0.611	103	0.09
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.006 ± 1.9	0.00423	9.51	-0.01
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.112 ± 3.5	0.0111	91.6	0.00
pH-value	-	8.13 ± 0.0204	8.08 ± 1.5	0.13	99.4	-0.02
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.9 ± 2.6	1.02	104	0.22
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 5.6	0.0725	99.6	0.00

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.93 ± 2.3	0.21	88.4	-0.05



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.101 ± 0.041	0.0137	118	1.15
Boron	mg/l	0.0212 ± 0.000599	0.0216 ± 0.0015	0.00212	102	0.19
Calcium	mg/l	61 ± 0.622	61.6 ± 6.2	2.15	101	0.26
Chloride	mg/l	21.7 ± 0.152	21.8 ± 1.7	0.825	100	0.10
El. conductivity (25°C)	µS/cm	481 ± 1.57	479 ± 9	6.25	99.6	-0.34
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.684 ± 0.089	0.0577	105	0.61
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.53	0.0618	100	0.16
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	160.5 ± 6.4	3.36	102	1.00
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.1	0.094	93.4	-0.82
Magnesium	mg/l	18.2 ± 0.188	18.5 ± 1.1	0.651	102	0.50
Sodium	mg/l	6.75 ± 0.0891	6.2 ± 0.4	0.292	91.8	-1.89
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.6 ± 2.3	1.58	101	0.28
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.175 ± 0.012	0.00998	93	-1.33
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.172 ± 0.028	0.0162	96.4	-0.39
pH-value	-	7.85 ± 0.0288	7.54 ± 0.14	0.126	96.1	-2.45
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.3 ± 3.9	1.89	98.5	-0.44
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.16	0.0525	101	0.57

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.1	0.133	86.2	-0.60

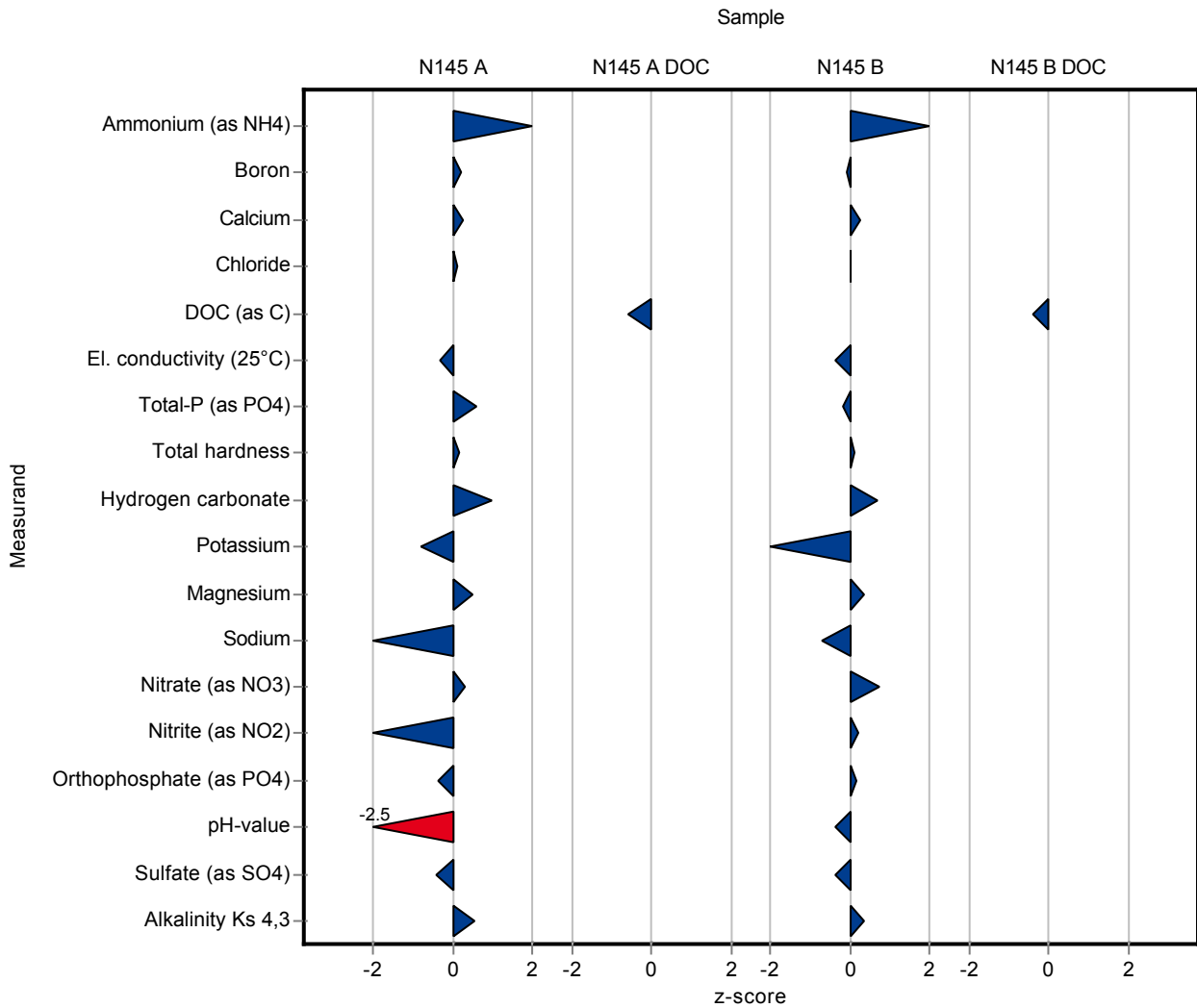
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.11 ± 0.045	0.0143	123	1.46
Boron	mg/l	0.0155 ± 0.000684	0.0154 ± 0.0011	0.00155	99.3	-0.07
Calcium	mg/l	63.5 ± 0.611	64 ± 6.4	2.09	101	0.25
Chloride	mg/l	28.2 ± 0.219	28.2 ± 2.3	1.07	100	0.02
El. conductivity (25°C)	µS/cm	498 ± 1.43	496 ± 9	6.48	99.5	-0.35
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.135 ± 0.018	0.0122	98.3	-0.19
Total hardness	mmol/l	2.2 ± 0.0157	2.21 ± 0.51	0.0595	100	0.11

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 8.8	4.7	102	0.69
Potassium	mg/l	2.43 ± 0.0361	2.3 ± 0.3	0.121	94.7	-1.07
Magnesium	mg/l	14.6 ± 0.152	14.8 ± 0.9	0.523	101	0.34
Sodium	mg/l	17.4 ± 0.211	16.9 ± 1	0.715	97.1	-0.70
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.9 ± 0.9	0.611	103	0.71
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.004	0.00423	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.124 ± 0.02	0.0111	101	0.15
pH-value	-	8.13 ± 0.0204	8.08 ± 0.15	0.13	99.4	-0.35
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.4 ± 1.8	1.02	98.8	-0.37
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.6 ± 0.22	0.0725	101	0.37

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.1 ± 0.7	0.21	96.2	-0.40



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.101 ± 0.041	0.0137	118	0.19
Boron	mg/l	0.0212 ± 0.000599	0.0216 ± 0.0015	0.00212	102	0.13
Calcium	mg/l	61 ± 0.622	61.6 ± 6.2	2.15	101	0.05
Chloride	mg/l	21.7 ± 0.152	21.8 ± 1.7	0.825	100	0.03
El. conductivity (25°C)	µS/cm	481 ± 1.57	479 ± 9	6.25	99.6	-0.12
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.684 ± 0.089	0.0577	105	0.20
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.53	0.0618	100	0.01
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	160.5 ± 6.4	3.36	102	0.26
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.1	0.094	93.4	-0.38
Magnesium	mg/l	18.2 ± 0.188	18.5 ± 1.1	0.651	102	0.15
Sodium	mg/l	6.75 ± 0.0891	6.2 ± 0.4	0.292	91.8	-0.69
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.6 ± 2.3	1.58	101	0.10
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.175 ± 0.012	0.00998	93	-0.55
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.172 ± 0.028	0.0162	96.4	-0.11
pH-value	-	7.85 ± 0.0288	7.54 ± 0.14	0.126	96.1	-1.09
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.3 ± 3.9	1.89	98.5	-0.11
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.16	0.0525	101	0.09

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.5 ± 0.1	0.133	86.2	-0.39

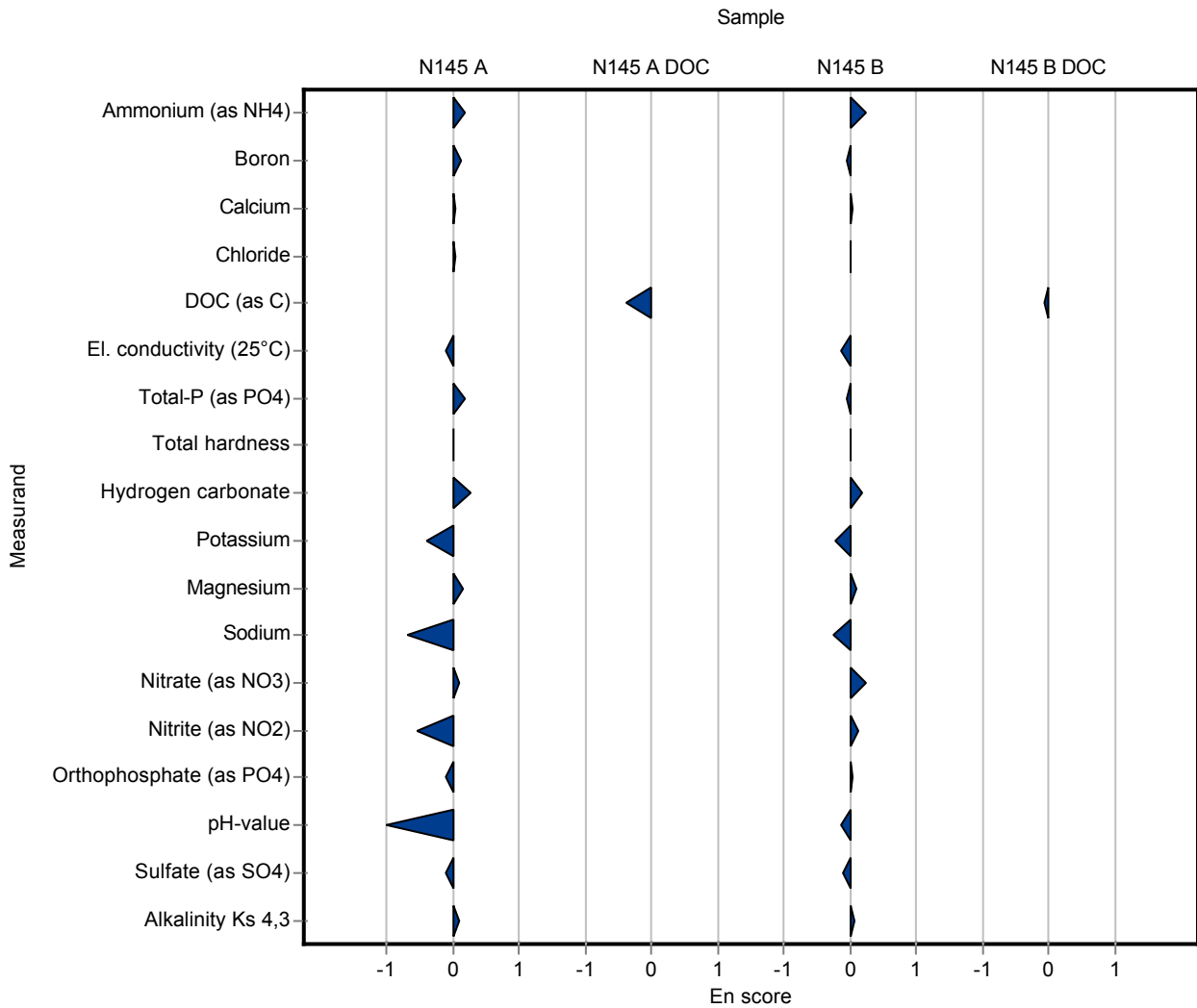
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.11 ± 0.045	0.0143	123	0.23
Boron	mg/l	0.0155 ± 0.000684	0.0154 ± 0.0011	0.00155	99.3	-0.05
Calcium	mg/l	63.5 ± 0.611	64 ± 6.4	2.09	101	0.04
Chloride	mg/l	28.2 ± 0.219	28.2 ± 2.3	1.07	100	0.00
El. conductivity (25°C)	µS/cm	498 ± 1.43	496 ± 9	6.48	99.5	-0.13
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.135 ± 0.018	0.0122	98.3	-0.06
Total hardness	mmol/l	2.2 ± 0.0157	2.21 ± 0.51	0.0595	100	0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 8.8	4.7	102	0.18
Potassium	mg/l	2.43 ± 0.0361	2.3 ± 0.3	0.121	94.7	-0.22
Magnesium	mg/l	14.6 ± 0.152	14.8 ± 0.9	0.523	101	0.10
Sodium	mg/l	17.4 ± 0.211	16.9 ± 1	0.715	97.1	-0.25
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.9 ± 0.9	0.611	103	0.24
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.004	0.00423	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.124 ± 0.02	0.0111	101	0.04
pH-value	-	8.13 ± 0.0204	8.08 ± 0.15	0.13	99.4	-0.15
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.4 ± 1.8	1.02	98.8	-0.10
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.6 ± 0.22	0.0725	101	0.06

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.1 ± 0.7	0.21	96.2	-0.06



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.082 ± 0.008	0.0137	96.1	-0.25
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	62.65 ± 6.2	2.15	103	0.75
Chloride	mg/l	21.7 ± 0.152	22.77 ± 2.2	0.825	105	1.28
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 4.51	6.25	100	0.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.676 ± 0.065	0.0577	104	0.47
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.2	0.0618	100	0.16
Total nitrogen	mg/l	7.48 ± 0.238	2.69 ± 0.25	0.628	36	-7.62
Hydrogen carbonate	mg/l	157 ± 1.09	140.32 ± 1	3.36	89.3	-5.00
Potassium	mg/l	1.18 ± 0.028	1.18 ± 0.12	0.094	100	0.03
Magnesium	mg/l	18.2 ± 0.188	17.93 ± 1.8	0.651	98.7	-0.37
Sodium	mg/l	6.75 ± 0.0891	6.77 ± 0.7	0.292	100	0.06
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.57 ± 3.4	1.58	104	0.90
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.02	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.179 ± 0.017	0.0162	100	0.04
pH-value	-	7.85 ± 0.0288	7.77 ± 0.1	0.126	99	-0.62
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.98 ± 5.9	1.89	105	1.51
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.35 ± 0.2	0.0525	90.4	-4.76

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.28 ± 0.03	0.133	48.3	-2.25

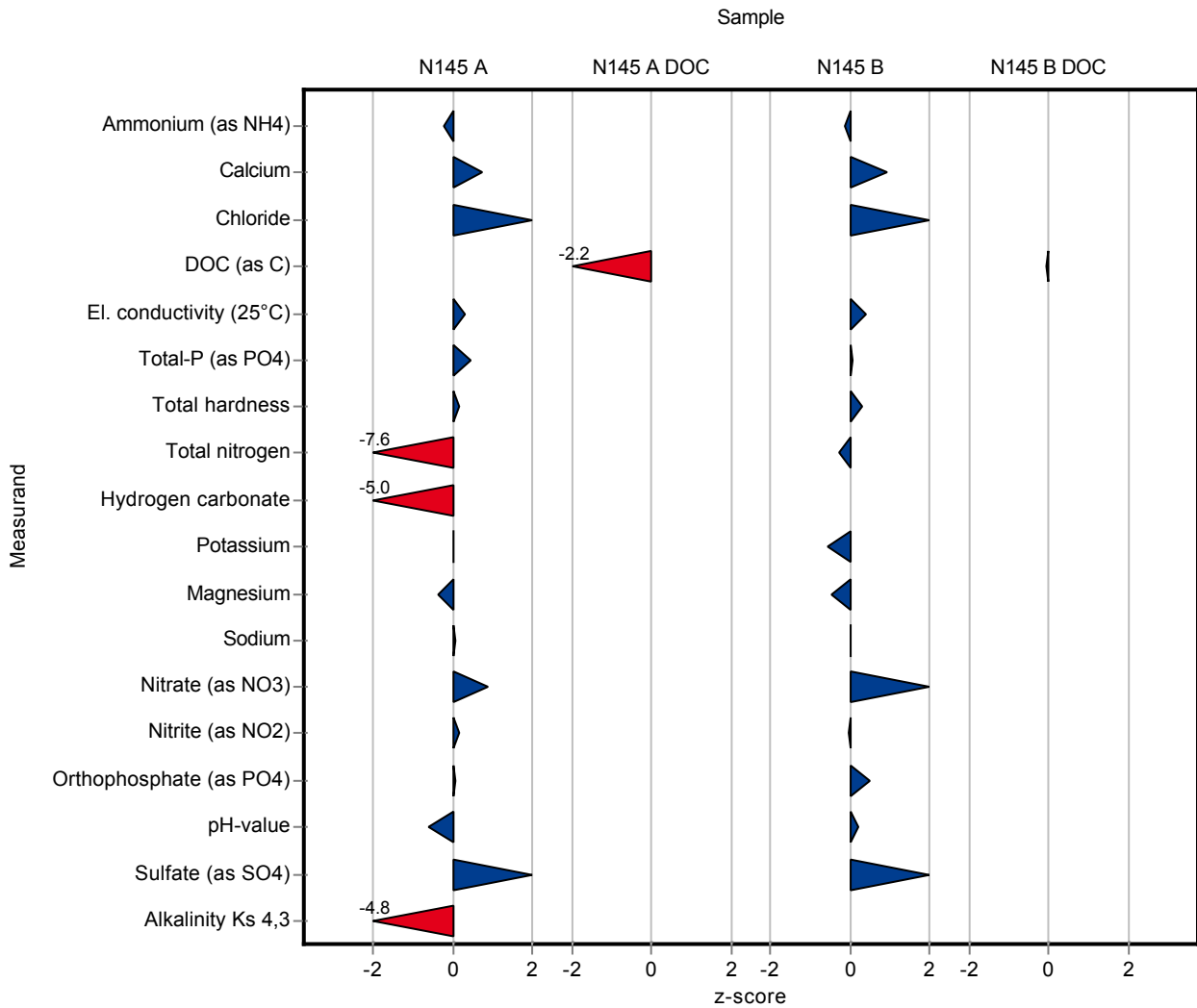
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.087 ± 0.009	0.0143	97.6	-0.15
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	65.38 ± 6.5	2.09	103	0.91
Chloride	mg/l	28.2 ± 0.219	29.44 ± 2.9	1.07	104	1.18
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 4.51	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.014	0.0122	101	0.06
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.2	0.0595	101	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.97 ± 0.27	0.252	97.8	-0.27
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.36 ± 0.24	0.121	97.1	-0.58
Magnesium	mg/l	14.6 ± 0.152	14.37 ± 1.4	0.523	98.3	-0.48
Sodium	mg/l	17.4 ± 0.211	17.41 ± 1.7	0.715	100	0.01
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13.18 ± 1.3	0.611	106	1.17
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.063 ± 0.006	0.00423	99.9	-0.02
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.128 ± 0.013	0.0111	105	0.51
pH-value	-	8.13 ± 0.0204	8.15 ± 0.1	0.13	100	0.19
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.27 ± 3.2	1.02	105	1.47
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.17 ± 0.2	0.21	99.4	-0.06



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.082 ± 0.008	0.0137	96.1	-0.21
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	62.65 ± 6.2	2.15	103	0.13
Chloride	mg/l	21.7 ± 0.152	22.77 ± 2.2	0.825	105	0.24
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 4.51	6.25	100	0.20
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.676 ± 0.065	0.0577	104	0.21
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± 0.2	0.0618	100	0.02
Total nitrogen	mg/l	7.48 ± 0.238	2.69 ± 0.25	0.628	36	-8.65
Hydrogen carbonate	mg/l	157 ± 1.09	140.32 ± 1	3.36	89.3	-7.39
Potassium	mg/l	1.18 ± 0.028	1.18 ± 0.12	0.094	100	0.01
Magnesium	mg/l	18.2 ± 0.188	17.93 ± 1.8	0.651	98.7	-0.07
Sodium	mg/l	6.75 ± 0.0891	6.77 ± 0.7	0.292	100	0.01
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.57 ± 3.4	1.58	104	0.21
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.02	0.00998	101	0.04
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.179 ± 0.017	0.0162	100	0.02
pH-value	-	7.85 ± 0.0288	7.77 ± 0.1	0.126	99	-0.39
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.98 ± 5.9	1.89	105	0.24
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.35 ± 0.2	0.0525	90.4	-0.63

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.28 ± 0.03	0.133	48.3	-3.93

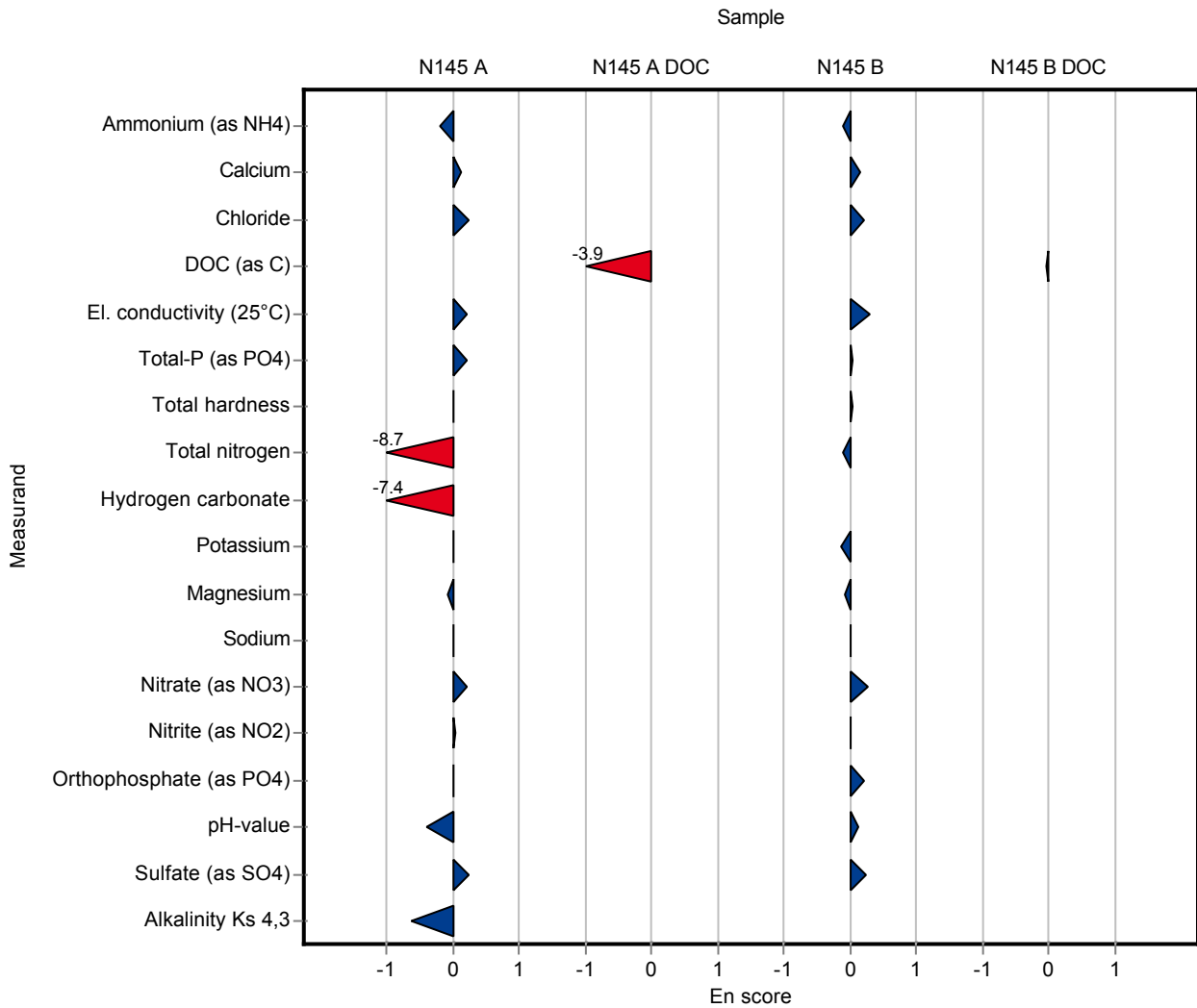
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.087 ± 0.009	0.0143	97.6	-0.12
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	65.38 ± 6.5	2.09	103	0.15
Chloride	mg/l	28.2 ± 0.219	29.44 ± 2.9	1.07	104	0.22
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 4.51	6.48	101	0.30
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.014	0.0122	101	0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.2	0.0595	101	0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.97 ± 0.27	0.252	97.8	-0.12
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.36 ± 0.24	0.121	97.1	-0.14
Magnesium	mg/l	14.6 ± 0.152	14.37 ± 1.4	0.523	98.3	-0.09
Sodium	mg/l	17.4 ± 0.211	17.41 ± 1.7	0.715	100	0.00
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13.18 ± 1.3	0.611	106	0.28
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.063 ± 0.006	0.00423	99.9	-0.01
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.128 ± 0.013	0.0111	105	0.22
pH-value	-	8.13 ± 0.0204	8.15 ± 0.1	0.13	100	0.12
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.27 ± 3.2	1.02	105	0.23
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.17 ± 0.2	0.21	99.4	-0.03



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	<0.066 (LOQ) ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	68.633 ± 0.633	2.15	112	3.53
Chloride	mg/l	21.7 ± 0.152	20.858 ± 0.421	0.825	96.1	-1.04
El. conductivity (25°C)	µS/cm	481 ± 1.57	440.5 ± 21.92	6.25	91.6	-6.49
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.105 ± 0.021	0.0577	16.2	-9.42
Total hardness	mmol/l	2.29 ± 0.0172	6.817 ± 0.071	0.0618	298	73.20
Total nitrogen	mg/l	7.48 ± 0.238	2.9 ± 0.424	0.628	38.8	-7.29
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.408 ± 0.329	0.094	120	2.45
Magnesium	mg/l	18.2 ± 0.188	15 ± 0.184	0.651	82.5	-4.88
Sodium	mg/l	6.75 ± 0.0891	8.948 ± 0.477	0.292	132	7.51
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.45 ± 0.001	1.58	101	0.19
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.178 ± 0.008	0.00998	94.6	-1.03
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.248 ± 0.053	0.0162	139	4.29
pH-value	-	7.85 ± 0.0288	7.853 ± 0.138	0.126	100	0.04
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	61.7 ± 1.414	1.89	108	2.42
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.5 ± 0.001	0.0525	96.1	-1.91

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

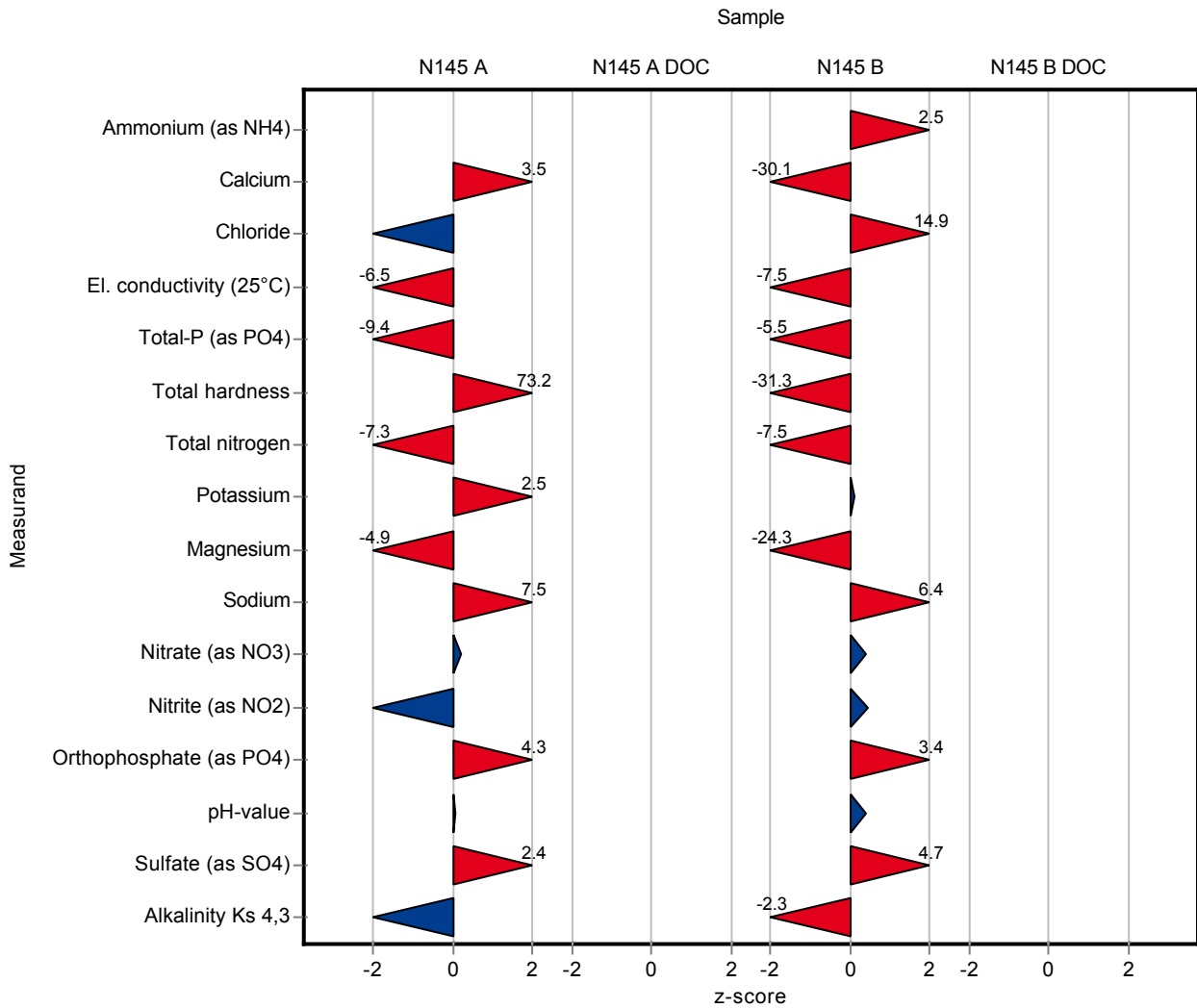
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.125 ± 0.049	0.0143	140	2.52
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	0.37 ± 0.071	2.09	0.583	-30.10
Chloride	mg/l	28.2 ± 0.219	44.15 ± 3.748	1.07	157	14.90
El. conductivity (25°C)	µS/cm	498 ± 1.43	449.5 ± 3.536	6.48	90.2	-7.53
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.07 ± 0.001	0.0122	51	-5.51
Total hardness	mmol/l	2.2 ± 0.0157	0.343 ± 0.024	0.0595	15.6	-31.30

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	1.15 ± 0.283	0.252	37.9	-7.49
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.445 ± 0.001	0.121	101	0.12
Magnesium	mg/l	14.6 ± 0.152	1.89 ± 0.113	0.523	12.9	-24.30
Sodium	mg/l	17.4 ± 0.211	22 ± 0.085	0.715	126	6.42
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.7 ± 0.141	0.611	102	0.39
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.065 ± 0.008	0.00423	103	0.46
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.16 ± 0.014	0.0111	131	3.39
pH-value	-	8.13 ± 0.0204	8.175 ± 0.078	0.13	101	0.38
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	35.575 ± 2.086	1.02	116	4.72
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.405 ± 0.035	0.0725	95.3	-2.32

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	<0.066 (LOQ) ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	68.633 ± 0.633	2.15	112	5.38
Chloride	mg/l	21.7 ± 0.152	20.858 ± 0.421	0.825	96.1	-1.00
El. conductivity (25°C)	µS/cm	481 ± 1.57	440.5 ± 21.92	6.25	91.6	-0.93
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.105 ± 0.021	0.0577	16.2	-12.50
Total hardness	mmol/l	2.29 ± 0.0172	6.817 ± 0.071	0.0618	298	31.60
Total nitrogen	mg/l	7.48 ± 0.238	2.9 ± 0.424	0.628	38.8	-5.20
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.408 ± 0.329	0.094	120	0.35
Magnesium	mg/l	18.2 ± 0.188	15 ± 0.184	0.651	82.5	-7.68
Sodium	mg/l	6.75 ± 0.0891	8.948 ± 0.477	0.292	132	2.29
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.45 ± 0.001	1.58	101	1.19
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.178 ± 0.008	0.00998	94.6	-0.64
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.248 ± 0.053	0.0162	139	0.66
pH-value	-	7.85 ± 0.0288	7.853 ± 0.138	0.126	100	0.02
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	61.7 ± 1.414	1.89	108	1.59
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.5 ± 0.001	0.0525	96.1	-6.83

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

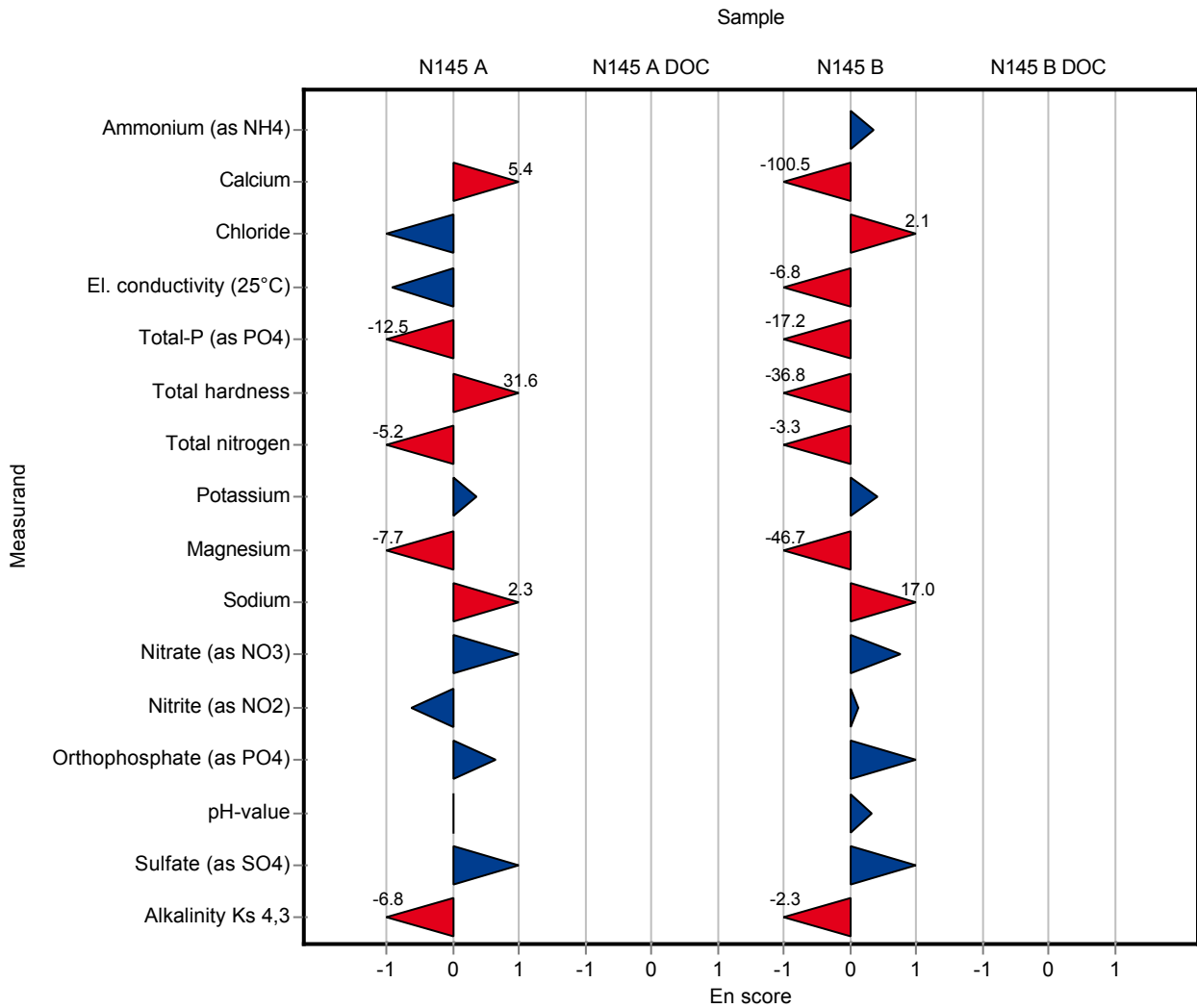
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.125 ± 0.049	0.0143	140	0.37
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	0.37 ± 0.071	2.09	0.583	-101.00
Chloride	mg/l	28.2 ± 0.219	44.15 ± 3.748	1.07	157	2.13
El. conductivity (25°C)	µS/cm	498 ± 1.43	449.5 ± 3.536	6.48	90.2	-6.76
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.07 ± 0.001	0.0122	51	-17.20
Total hardness	mmol/l	2.2 ± 0.0157	0.343 ± 0.024	0.0595	15.6	-36.80

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	1.15 ± 0.283	0.252	37.9	-3.29
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.445 ± 0.001	0.121	101	0.42
Magnesium	mg/l	14.6 ± 0.152	1.89 ± 0.113	0.523	12.9	-46.70
Sodium	mg/l	17.4 ± 0.211	22 ± 0.085	0.715	126	17.00
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.7 ± 0.141	0.611	102	0.77
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.065 ± 0.008	0.00423	103	0.12
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.16 ± 0.014	0.0111	131	1.34
pH-value	-	8.13 ± 0.0204	8.175 ± 0.078	0.13	101	0.31
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	35.575 ± 2.086	1.02	116	1.15
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.405 ± 0.035	0.0725	95.3	-2.31

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.099 ± 0.0042	0.0137	116	1.00
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	21.1 ± 1.3	0.825	97.2	-0.74
El. conductivity (25°C)	µS/cm	481 ± 1.57	496 ± 12.2	6.25	103	2.38
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.6 ± 0.22	1.58	98.3	-0.35
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.18 ± 0.012	0.00998	95.6	-0.83
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.17 ± 0.013	0.0162	95.3	-0.51
pH-value	-	7.85 ± 0.0288	7.75 ± 0.12	0.126	98.8	-0.78
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	5.42 ± 0.5	0.133	935	36.30

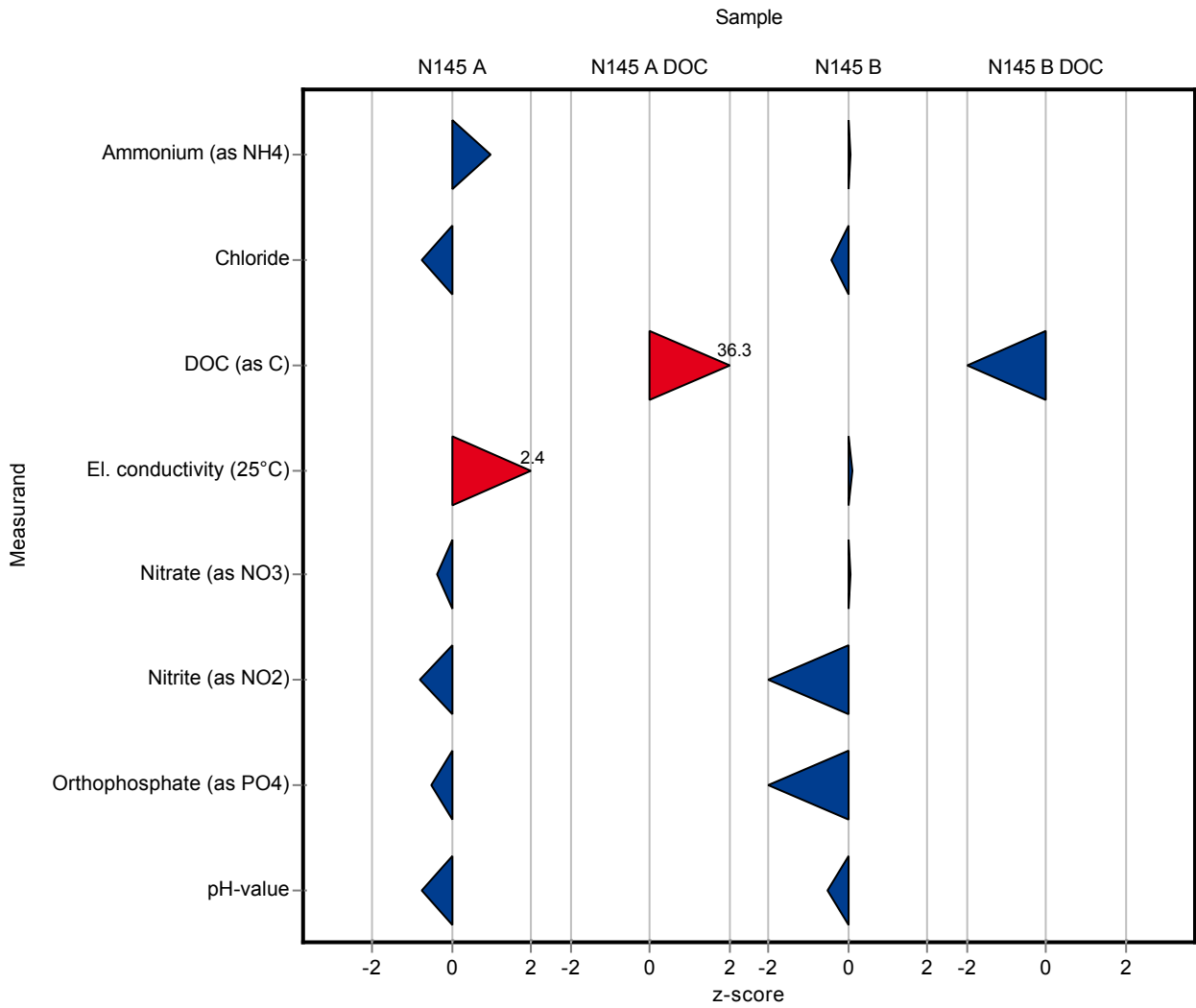
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.09 ± 0.0038	0.0143	101	0.06
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	27.7 ± 1.3	1.07	98.3	-0.45
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 12.3	6.48	100	0.11
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.088	0.611	100	0.06
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.058 ± 0.0038	0.00423	92	-1.20
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.11 ± 0.0084	0.0111	89.9	-1.10
pH-value	-	8.13 ± 0.0204	8.06 ± 0.12	0.13	99.2	-0.51
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.87 ± 0.2	0.21	85.7	-1.49



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.099 ± 0.0042	0.0137	116	1.56
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	21.1 ± 1.3	0.825	97.2	-0.24
El. conductivity (25°C)	µS/cm	481 ± 1.57	496 ± 12.2	6.25	103	0.61
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.6 ± 0.22	1.58	98.3	-1.09
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.18 ± 0.012	0.00998	95.6	-0.34
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.17 ± 0.013	0.0162	95.3	-0.32
pH-value	-	7.85 ± 0.0288	7.75 ± 0.12	0.126	98.8	-0.40
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	5.42 ± 0.5	0.133	935	4.83

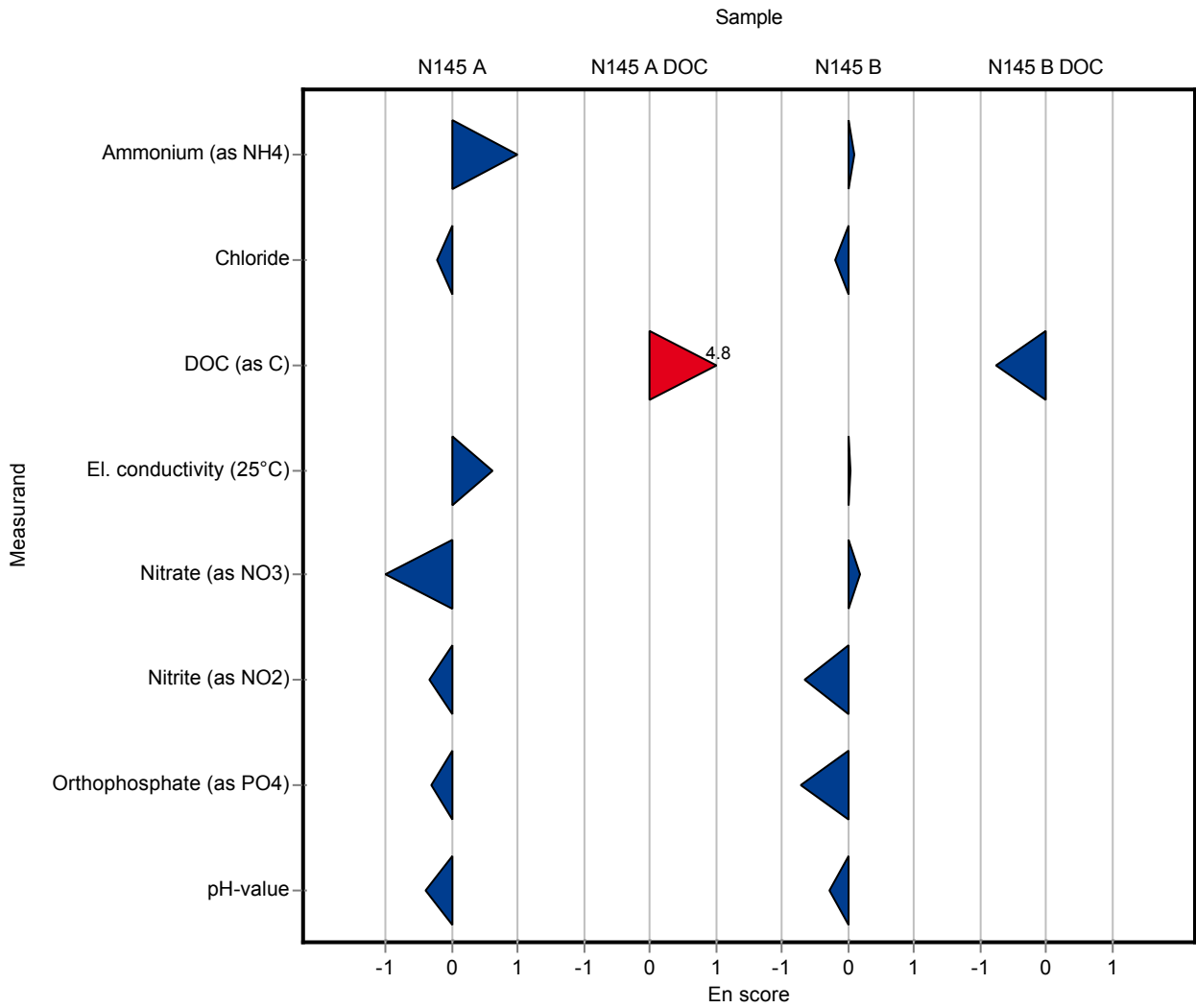
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.09 ± 0.0038	0.0143	101	0.10
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	27.7 ± 1.3	1.07	98.3	-0.18
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 12.3	6.48	100	0.03
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.088	0.611	100	0.17
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.058 ± 0.0038	0.00423	92	-0.66
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.11 ± 0.0084	0.0111	89.9	-0.72
pH-value	-	8.13 ± 0.0204	8.06 ± 0.12	0.13	99.2	-0.27
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.87 ± 0.2	0.21	85.7	-0.77



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	22 ± 3	0.825	101	0.35
El. conductivity (25°C)	µS/cm	481 ± 1.57	478 ± 18	6.25	99.4	-0.50
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.27 ± 0.48	0.0618	99.1	-0.33
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33 ± 2	1.58	103	0.54
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	<0.5 (LOD) ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.86 ± 0.2	0.126	100	0.10
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.037	0.0525	100	-0.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

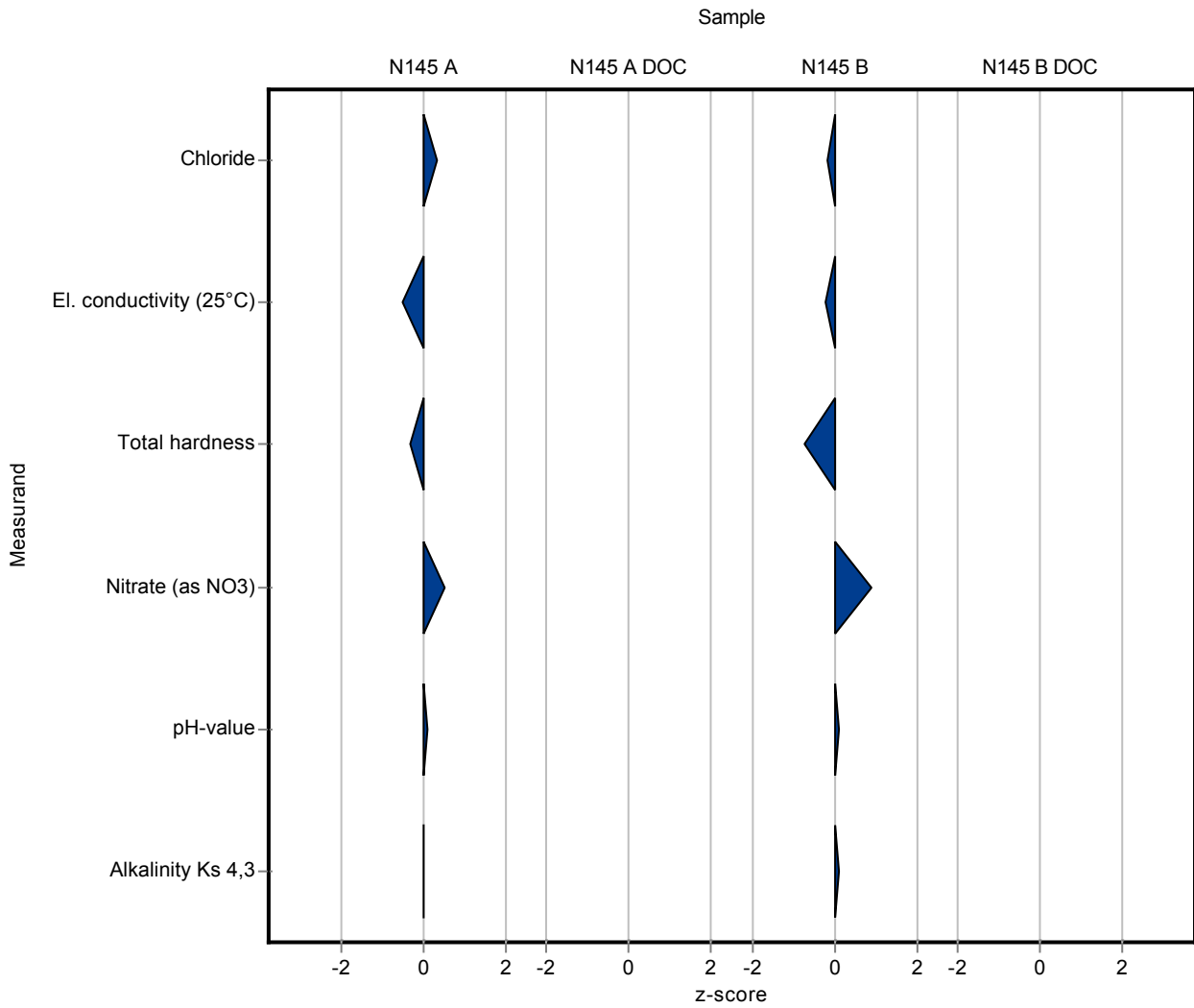
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	28 ± 3	1.07	99.4	-0.17
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 18	6.48	99.7	-0.20
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.16 ± 0.48	0.0595	98	-0.73

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 2	0.611	104	0.88
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	<0.5 (LOD) ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.14 ± 0.2	0.13	100	0.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.58 ± 0.043	0.0725	100	0.10

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	22 ± 3	0.825	101	0.05
El. conductivity (25°C)	µS/cm	481 ± 1.57	478 ± 18	6.25	99.4	-0.09
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.27 ± 0.48	0.0618	99.1	-0.02
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33 ± 2	1.58	103	0.21
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	<0.5 (LOD) ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.86 ± 0.2	0.126	100	0.03
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.037	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

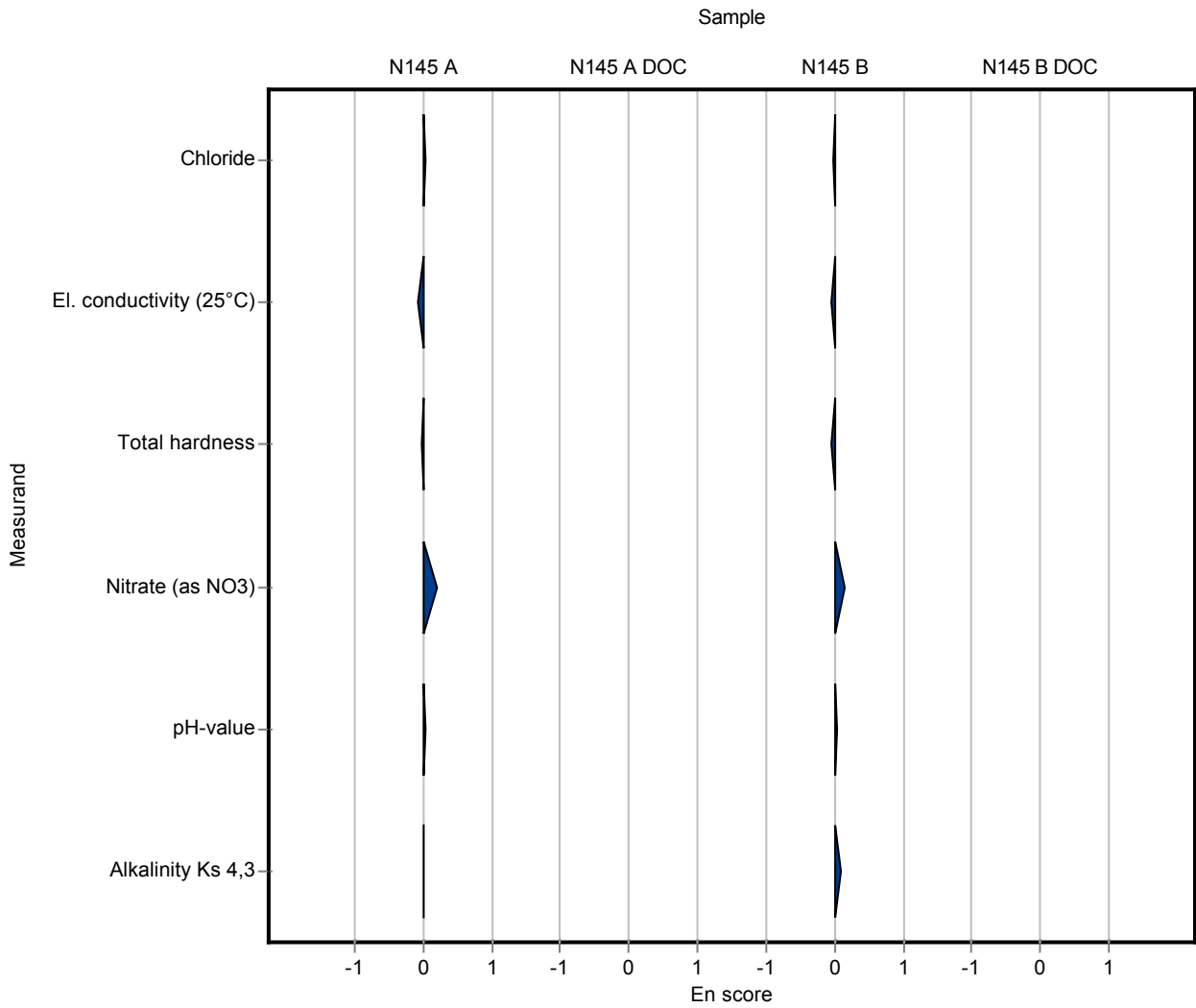
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	28 ± 3	1.07	99.4	-0.03
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 18	6.48	99.7	-0.04
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.16 ± 0.48	0.0595	98	-0.05

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 2	0.611	104	0.13
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	<0.5 (LOD) ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.14 ± 0.2	0.13	100	0.04
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.58 ± 0.043	0.0725	100	0.08

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.083 ± 0.014	0.0137	97.2	-0.17
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61.1 ± 2.38	2.15	100	0.03
Chloride	mg/l	21.7 ± 0.152	21.3 ± 1	0.825	98.1	-0.50
El. conductivity (25°C)	µS/cm	481 ± 1.57	478 ± 11	6.25	99.4	-0.50
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.09	0.0618	99.5	-0.17
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	155.5 ± 3.4	3.36	99	-0.49
Potassium	mg/l	1.18 ± 0.028	1.24 ± 0.08	0.094	105	0.67
Magnesium	mg/l	18.2 ± 0.188	18.3 ± 0.86	0.651	101	0.20
Sodium	mg/l	6.75 ± 0.0891	6.65 ± 0.32	0.292	98.5	-0.35
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.5 ± 2.11	1.58	98	-0.41
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.196 ± 0.014	0.00998	104	0.78
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.88 ± 0.32	0.126	100	0.26
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	54.4 ± 2.72	1.89	95.2	-1.45
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.05	0.0525	100	-0.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.51 ± 0.09	0.133	87.9	-0.53

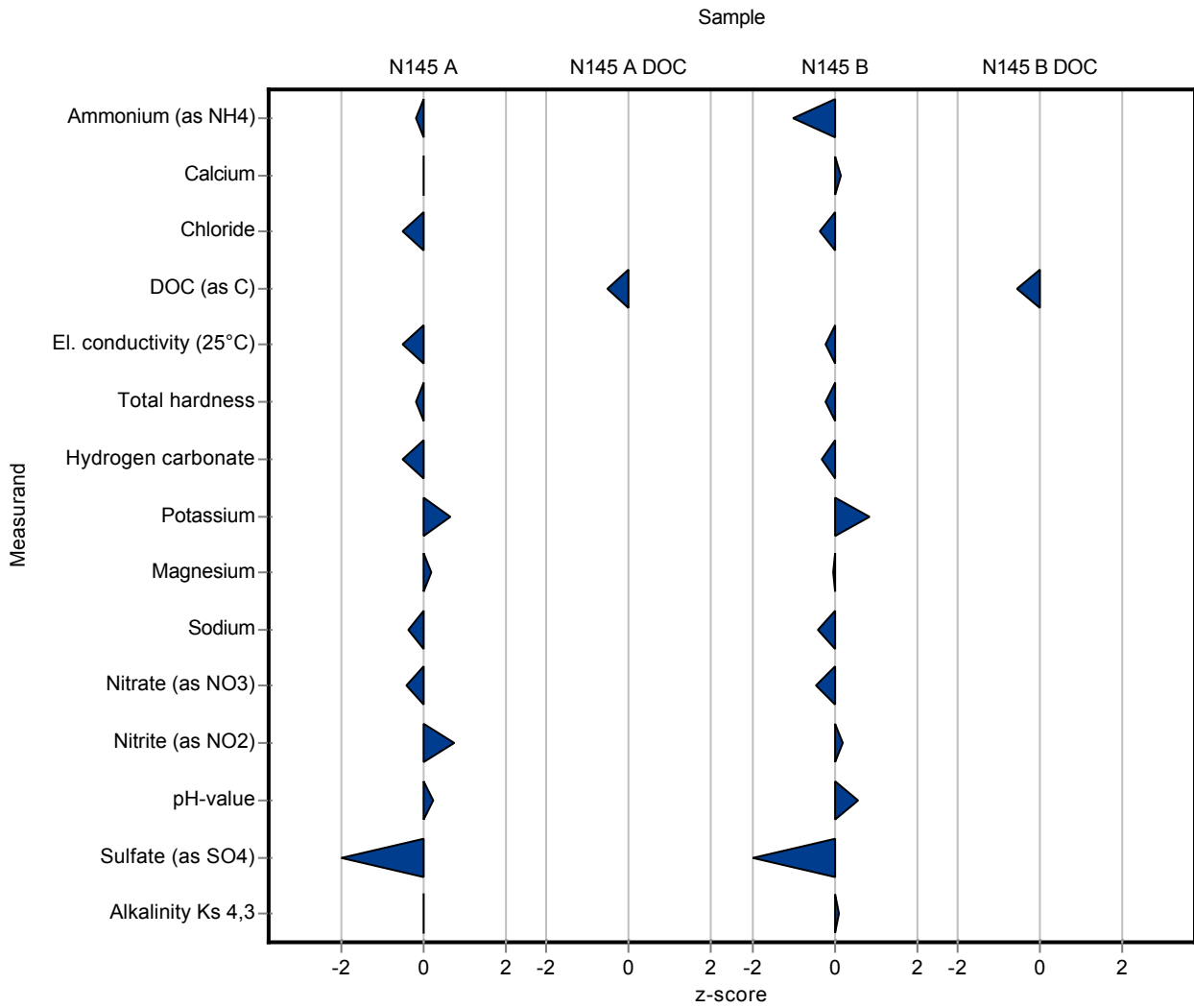
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.075 ± 0.012	0.0143	84.2	-0.99
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	63.8 ± 2.49	2.09	101	0.15
Chloride	mg/l	28.2 ± 0.219	27.8 ± 1.31	1.07	98.7	-0.35
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 11	6.48	99.7	-0.20
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.09	0.0595	99.4	-0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	215.3 ± 4.7	4.7	99.3	-0.31
Potassium	mg/l	2.43 ± 0.0361	2.53 ± 0.16	0.121	104	0.83
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 0.69	0.523	99.9	-0.04
Sodium	mg/l	17.4 ± 0.211	17.1 ± 0.82	0.715	98.3	-0.42
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.2 ± 0.82	0.611	97.9	-0.43
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.004	0.00423	101	0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.33	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.3 ± 1.46	1.02	95.2	-1.45
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.58 ± 0.08	0.0725	100	0.10

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.06 ± 0.36	0.21	94.4	-0.59



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.083 ± 0.014	0.0137	97.2	-0.08
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61.1 ± 2.38	2.15	100	0.01
Chloride	mg/l	21.7 ± 0.152	21.3 ± 1	0.825	98.1	-0.21
El. conductivity (25°C)	µS/cm	481 ± 1.57	478 ± 11	6.25	99.4	-0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.09	0.0618	99.5	-0.06
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	155.5 ± 3.4	3.36	99	-0.24
Potassium	mg/l	1.18 ± 0.028	1.24 ± 0.08	0.094	105	0.39
Magnesium	mg/l	18.2 ± 0.188	18.3 ± 0.86	0.651	101	0.07
Sodium	mg/l	6.75 ± 0.0891	6.65 ± 0.32	0.292	98.5	-0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.5 ± 2.11	1.58	98	-0.15
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.196 ± 0.014	0.00998	104	0.28
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.88 ± 0.32	0.126	100	0.05
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	54.4 ± 2.72	1.89	95.2	-0.50
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.05	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.51 ± 0.09	0.133	87.9	-0.38

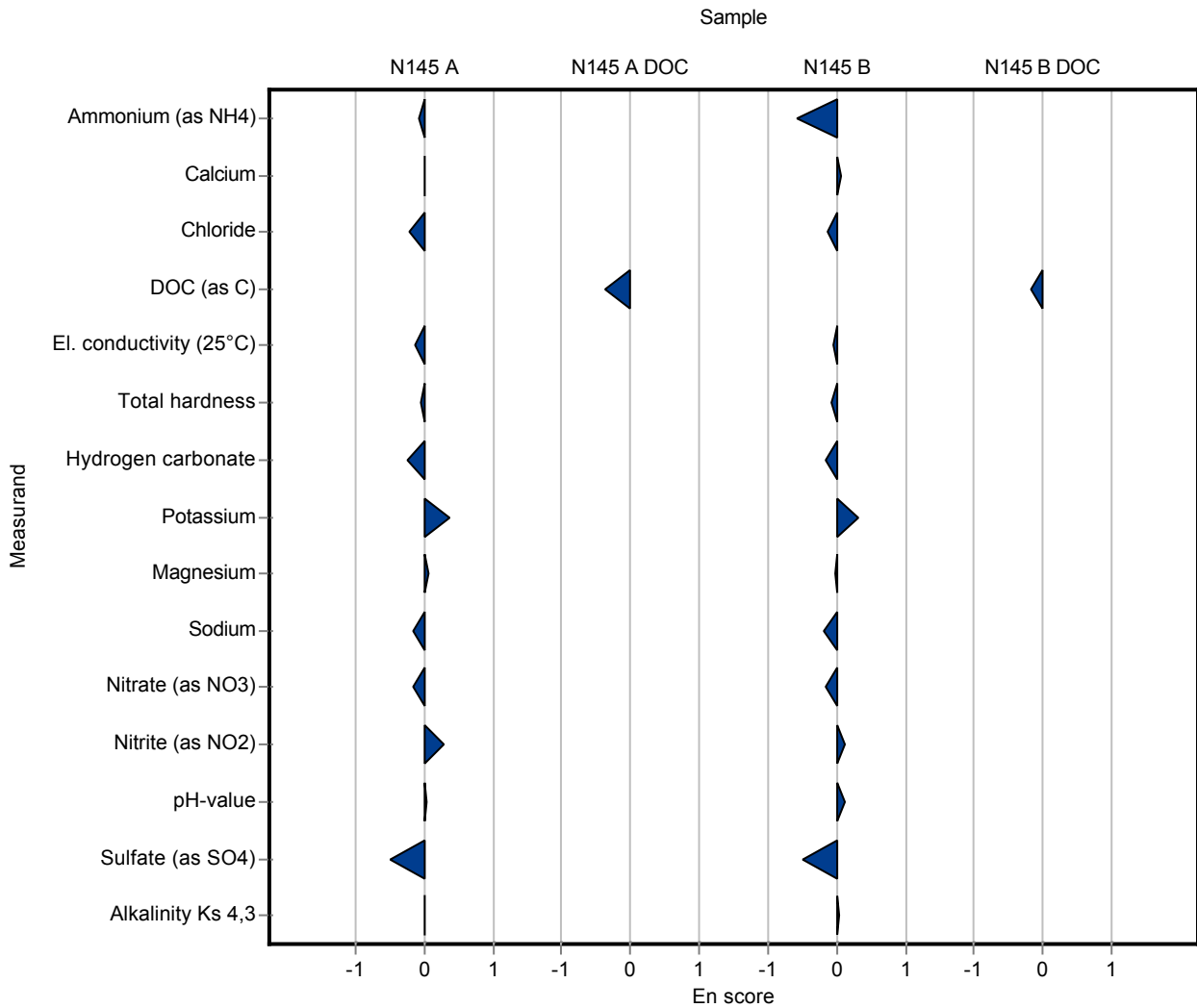
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.075 ± 0.012	0.0143	84.2	-0.58
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	63.8 ± 2.49	2.09	101	0.06
Chloride	mg/l	28.2 ± 0.219	27.8 ± 1.31	1.07	98.7	-0.14
El. conductivity (25°C)	µS/cm	498 ± 1.43	497 ± 11	6.48	99.7	-0.06
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.09	0.0595	99.4	-0.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	215.3 ± 4.7	4.7	99.3	-0.15
Potassium	mg/l	2.43 ± 0.0361	2.53 ± 0.16	0.121	104	0.31
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 0.69	0.523	99.9	-0.01
Sodium	mg/l	17.4 ± 0.211	17.1 ± 0.82	0.715	98.3	-0.18
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.2 ± 0.82	0.611	97.9	-0.16
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.064 ± 0.004	0.00423	101	0.11
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.2 ± 0.33	0.13	101	0.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.3 ± 1.46	1.02	95.2	-0.50
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.58 ± 0.08	0.0725	100	0.04

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.06 ± 0.36	0.21	94.4	-0.17



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.09 ± 0.02	0.0137	105	0.34
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61 ± 6	2.15	99.9	-0.02
Chloride	mg/l	21.7 ± 0.152	21.8 ± 2.2	0.825	100	0.10
El. conductivity (25°C)	µS/cm	481 ± 1.57	474 ± 19	6.25	98.5	-1.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 2.3	0.0618	99.5	-0.17
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	157 ± 16	3.36	99.9	-0.04
Potassium	mg/l	1.18 ± 0.028	1 ± 0.2	0.094	84.9	-1.89
Magnesium	mg/l	18.2 ± 0.188	18.2 ± 1.8	0.651	100	0.04
Sodium	mg/l	6.75 ± 0.0891	6.7 ± 0.7	0.292	99.2	-0.18
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 3	1.58	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.2 ± 0.04	0.00998	106	1.18
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.78 ± 0.1	0.126	99.1	-0.54
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56 ± 6	1.89	98	-0.60
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.26	0.0525	101	0.57

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

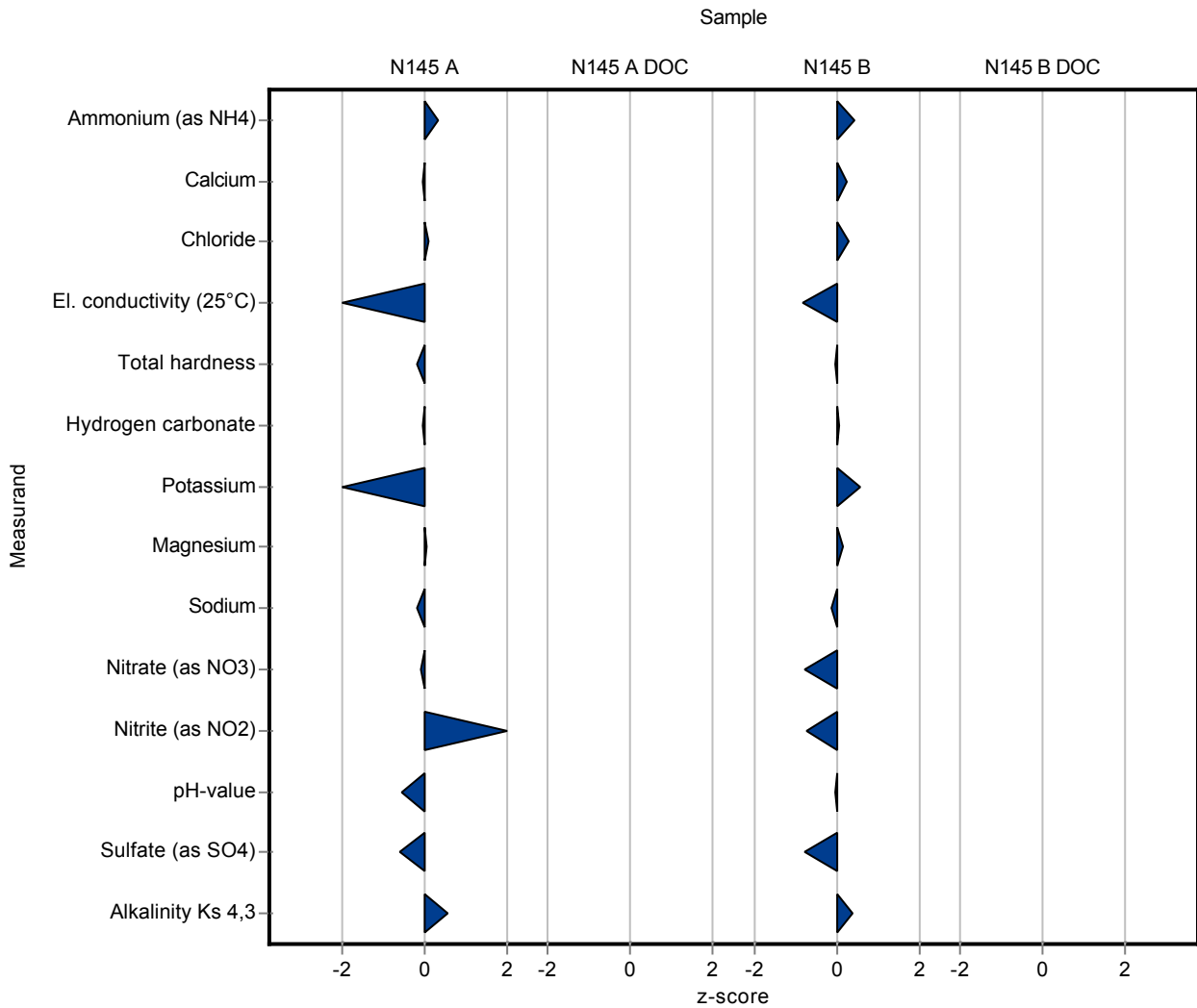
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.02	0.0143	107	0.41
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	64 ± 6.4	2.09	101	0.25
Chloride	mg/l	28.2 ± 0.219	28.5 ± 2.9	1.07	101	0.30
El. conductivity (25°C)	µS/cm	498 ± 1.43	493 ± 20	6.48	98.9	-0.82
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.2	0.0595	99.8	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	217 ± 22	4.7	100	0.06
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.5	0.121	103	0.58
Magnesium	mg/l	14.6 ± 0.152	14.7 ± 1.5	0.523	101	0.15
Sodium	mg/l	17.4 ± 0.211	17.3 ± 1.7	0.715	99.4	-0.15
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1.2	0.611	96.3	-0.76
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.012	0.00423	95.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.12 ± 0.1	0.13	99.9	-0.04
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30 ± 3	1.02	97.5	-0.77
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.6 ± 0.36	0.0725	101	0.37

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.09 ± 0.02	0.0137	105	0.12
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61 ± 6	2.15	99.9	0.00
Chloride	mg/l	21.7 ± 0.152	21.8 ± 2.2	0.825	100	0.02
El. conductivity (25°C)	µS/cm	481 ± 1.57	474 ± 19	6.25	98.5	-0.19
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 2.3	0.0618	99.5	0.00
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	157 ± 16	3.36	99.9	0.00
Potassium	mg/l	1.18 ± 0.028	1 ± 0.2	0.094	84.9	-0.44
Magnesium	mg/l	18.2 ± 0.188	18.2 ± 1.8	0.651	100	0.01
Sodium	mg/l	6.75 ± 0.0891	6.7 ± 0.7	0.292	99.2	-0.04
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 3	1.58	99.5	-0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.2 ± 0.04	0.00998	106	0.15
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.78 ± 0.1	0.126	99.1	-0.34
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56 ± 6	1.89	98	-0.09
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.63 ± 0.26	0.0525	101	0.06

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

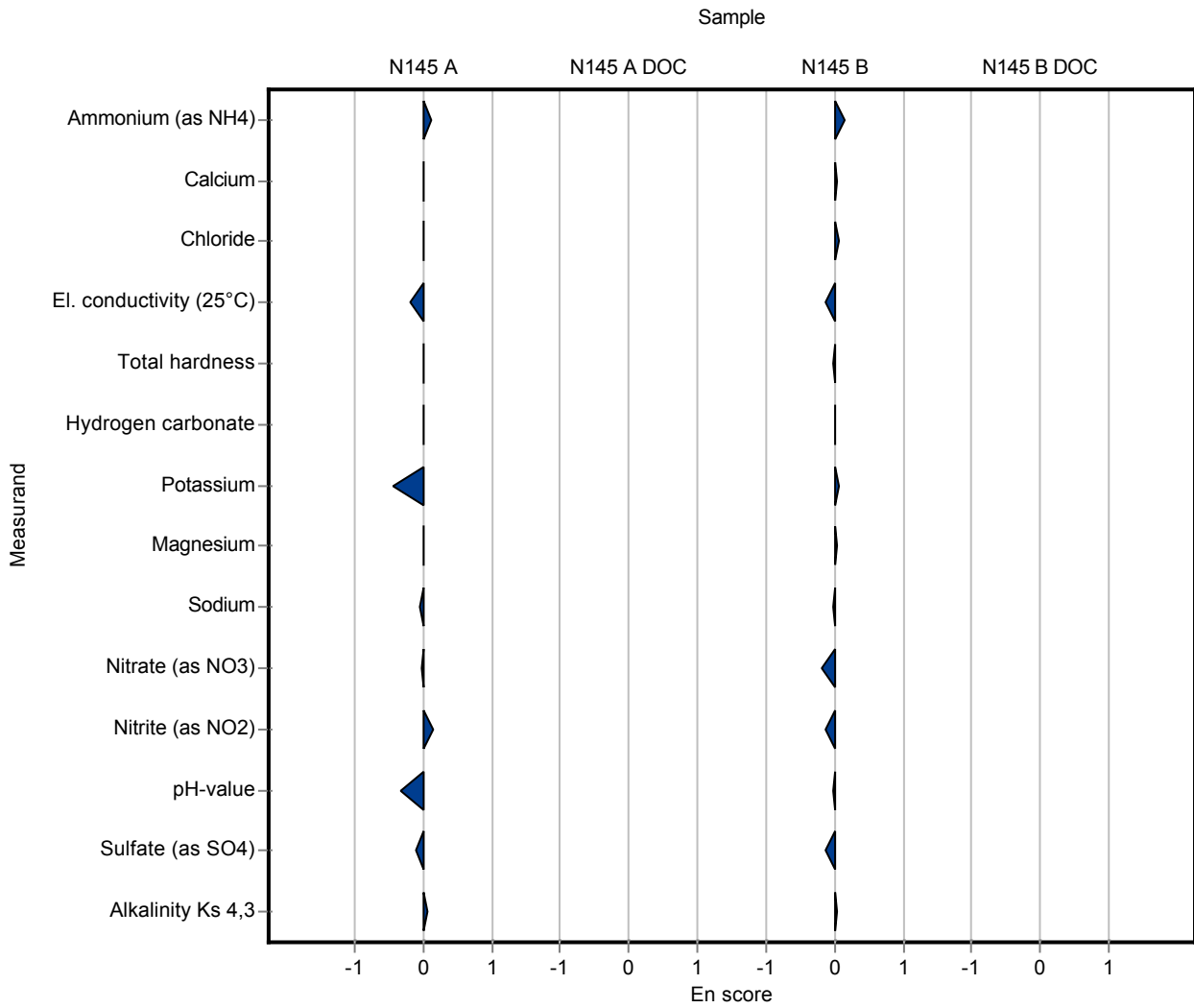
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.02	0.0143	107	0.15
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	64 ± 6.4	2.09	101	0.04
Chloride	mg/l	28.2 ± 0.219	28.5 ± 2.9	1.07	101	0.06
El. conductivity (25°C)	µS/cm	498 ± 1.43	493 ± 20	6.48	98.9	-0.13
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.2	0.0595	99.8	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	217 ± 22	4.7	100	0.01
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.5	0.121	103	0.07
Magnesium	mg/l	14.6 ± 0.152	14.7 ± 1.5	0.523	101	0.03
Sodium	mg/l	17.4 ± 0.211	17.3 ± 1.7	0.715	99.4	-0.03
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1.2	0.611	96.3	-0.19
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.012	0.00423	95.1	-0.13
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.12 ± 0.1	0.13	99.9	-0.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30 ± 3	1.02	97.5	-0.13
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.6 ± 0.36	0.0725	101	0.04

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0867 ± 0.0043	0.0137	102	0.10
Boron	mg/l	0.0212 ± 0.000599	0.0202 ± 0.001	0.00212	95.3	-0.47
Calcium	mg/l	61 ± 0.622	61.18 ± 3.059	2.15	100	0.07
Chloride	mg/l	21.7 ± 0.152	21.77 ± 0.653	0.825	100	0.07
El. conductivity (25°C)	µS/cm	481 ± 1.57	485 ± 9.7	6.25	101	0.62
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.688 ± 0.0482	0.0577	106	0.68
Total hardness	mmol/l	2.29 ± 0.0172	2.269 ± 0.113	0.0618	99.1	-0.34
Total nitrogen	mg/l	7.48 ± 0.238	7.105 ± 0.497	0.628	95	-0.60
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 4.74	3.36	101	0.25
Potassium	mg/l	1.18 ± 0.028	1.025 ± 0.072	0.094	87.1	-1.62
Magnesium	mg/l	18.2 ± 0.188	18.05 ± 0.903	0.651	99.3	-0.19
Sodium	mg/l	6.75 ± 0.0891	6.645 ± 0.332	0.292	98.4	-0.37
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.01 ± 0.96	1.58	99.6	-0.09
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1884 ± 0.0151	0.00998	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.182 ± 0.009	0.0162	102	0.23
pH-value	-	7.85 ± 0.0288	7.84 ± 0.47	0.126	99.9	-0.06
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.11 ± 1.713	1.89	100	-0.01
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± 0.078	0.0525	99.6	-0.20

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.673 ± 0.039	0.133	116	0.70

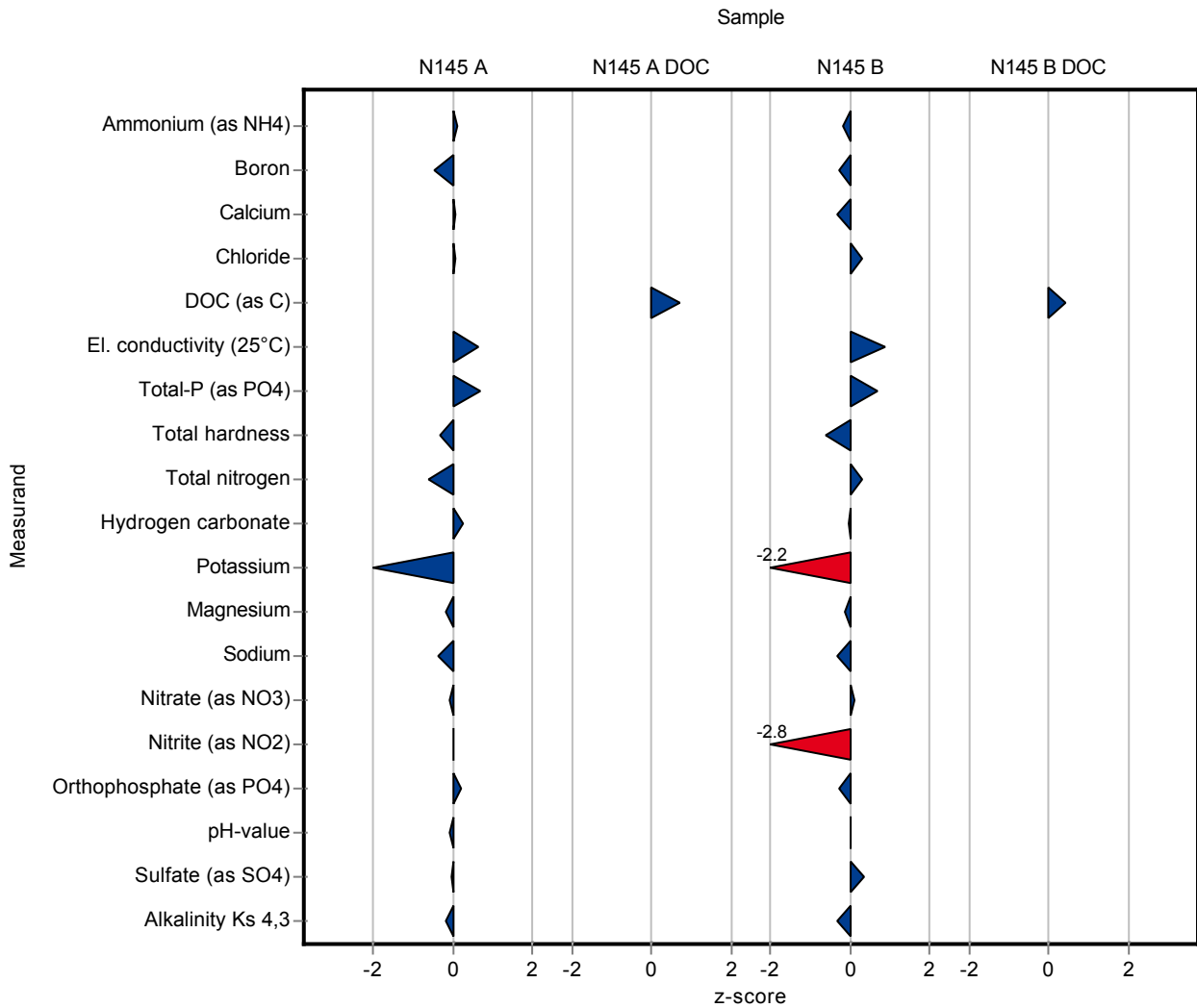
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0867 ± 0.0043	0.0143	97.3	-0.17
Boron	mg/l	0.0155 ± 0.000684	0.0151 ± 0.0008	0.00155	97.4	-0.26
Calcium	mg/l	63.5 ± 0.611	62.83 ± 3.142	2.09	99	-0.31
Chloride	mg/l	28.2 ± 0.219	28.51 ± 0.855	1.07	101	0.31
El. conductivity (25°C)	µS/cm	498 ± 1.43	504 ± 10.08	6.48	101	0.88
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1459 ± 0.0102	0.0122	106	0.70
Total hardness	mmol/l	2.2 ± 0.0157	2.166 ± 0.1083	0.0595	98.3	-0.63

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.115 ± 0.218	0.252	103	0.31
Hydrogen carbonate	mg/l	217 ± 1.49	216.6 ± 6.498	4.7	99.9	-0.03
Potassium	mg/l	2.43 ± 0.0361	2.167 ± 0.1517	0.121	89.2	-2.17
Magnesium	mg/l	14.6 ± 0.152	14.54 ± 0.727	0.523	99.5	-0.15
Sodium	mg/l	17.4 ± 0.211	17.16 ± 0.858	0.715	98.6	-0.34
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.52 ± 0.376	0.611	100	0.09
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0511 ± 0.0041	0.00423	81	-2.83
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.119 ± 0.006	0.0111	97.3	-0.30
pH-value	-	8.13 ± 0.0204	8.13 ± 0.488	0.13	100	0.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.14 ± 0.934	1.02	101	0.36
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.107	0.0725	99.4	-0.32

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.27 ± 0.124	0.21	104	0.42



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0867 ± 0.0043	0.0137	102	0.15
Boron	mg/l	0.0212 ± 0.000599	0.0202 ± 0.001	0.00212	95.3	-0.48
Calcium	mg/l	61 ± 0.622	61.18 ± 3.059	2.15	100	0.02
Chloride	mg/l	21.7 ± 0.152	21.77 ± 0.653	0.825	100	0.04
El. conductivity (25°C)	µS/cm	481 ± 1.57	485 ± 9.7	6.25	101	0.20
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.688 ± 0.0482	0.0577	106	0.40
Total hardness	mmol/l	2.29 ± 0.0172	2.269 ± 0.113	0.0618	99.1	-0.09
Total nitrogen	mg/l	7.48 ± 0.238	7.105 ± 0.497	0.628	95	-0.37
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 4.74	3.36	101	0.09
Potassium	mg/l	1.18 ± 0.028	1.025 ± 0.072	0.094	87.1	-1.04
Magnesium	mg/l	18.2 ± 0.188	18.05 ± 0.903	0.651	99.3	-0.07
Sodium	mg/l	6.75 ± 0.0891	6.645 ± 0.332	0.292	98.4	-0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.01 ± 0.96	1.58	99.6	-0.07
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1884 ± 0.0151	0.00998	100	0.00
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.182 ± 0.009	0.0162	102	0.20
pH-value	-	7.85 ± 0.0288	7.84 ± 0.47	0.126	99.9	-0.01
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.11 ± 1.713	1.89	100	-0.01
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± 0.078	0.0525	99.6	-0.07

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.673 ± 0.039	0.133	116	1.02

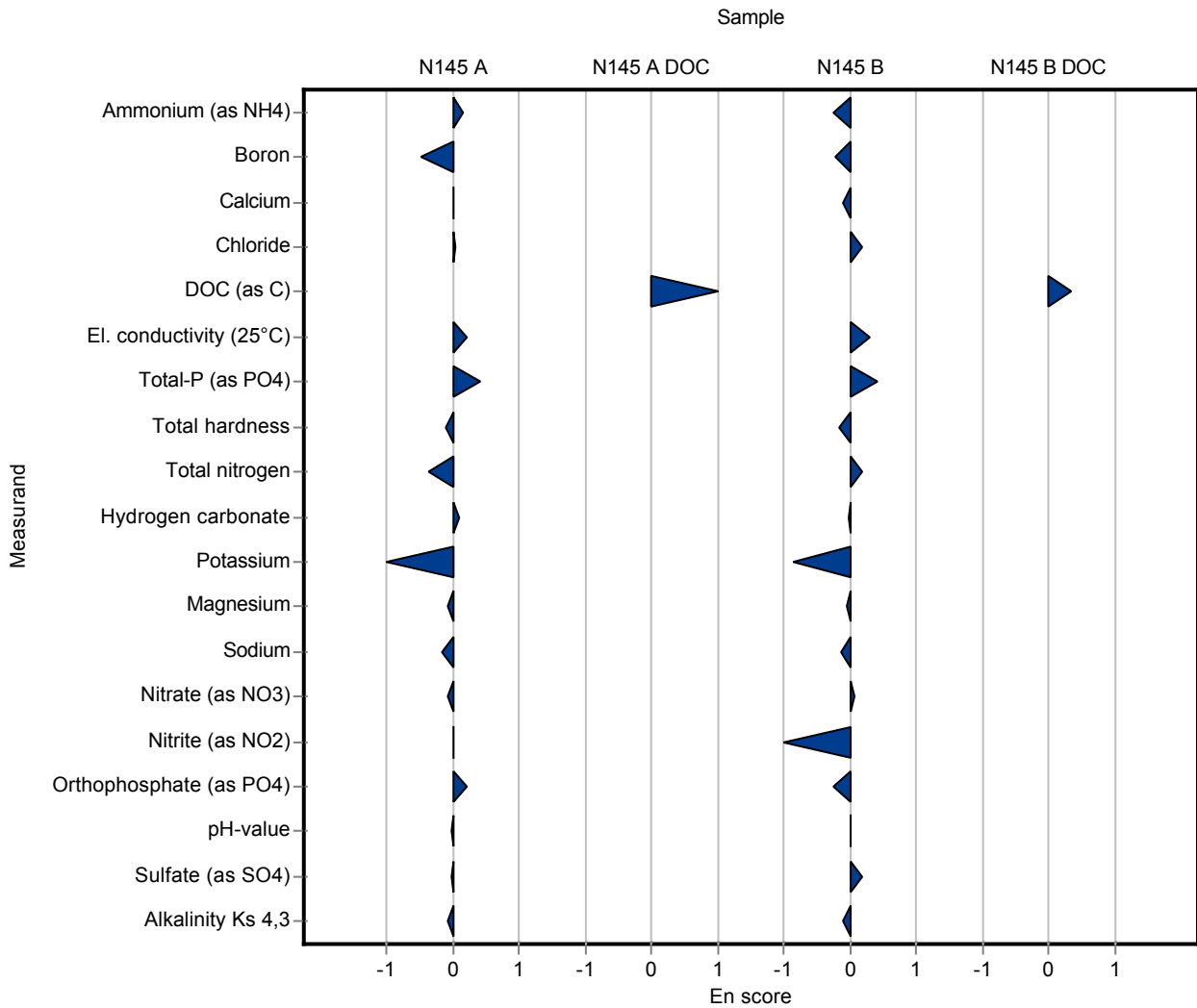
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0867 ± 0.0043	0.0143	97.3	-0.26
Boron	mg/l	0.0155 ± 0.000684	0.0151 ± 0.0008	0.00155	97.4	-0.23
Calcium	mg/l	63.5 ± 0.611	62.83 ± 3.142	2.09	99	-0.10
Chloride	mg/l	28.2 ± 0.219	28.51 ± 0.855	1.07	101	0.19
El. conductivity (25°C)	µS/cm	498 ± 1.43	504 ± 10.08	6.48	101	0.28
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1459 ± 0.0102	0.0122	106	0.42
Total hardness	mmol/l	2.2 ± 0.0157	2.166 ± 0.1083	0.0595	98.3	-0.17

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.115 ± 0.218	0.252	103	0.17
Hydrogen carbonate	mg/l	217 ± 1.49	216.6 ± 6.498	4.7	99.9	-0.01
Potassium	mg/l	2.43 ± 0.0361	2.167 ± 0.1517	0.121	89.2	-0.86
Magnesium	mg/l	14.6 ± 0.152	14.54 ± 0.727	0.523	99.5	-0.05
Sodium	mg/l	17.4 ± 0.211	17.16 ± 0.858	0.715	98.6	-0.14
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.52 ± 0.376	0.611	100	0.07
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0511 ± 0.0041	0.00423	81	-1.44
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.119 ± 0.006	0.0111	97.3	-0.27
pH-value	-	8.13 ± 0.0204	8.13 ± 0.488	0.13	100	0.00
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.14 ± 0.934	1.02	101	0.19
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.107	0.0725	99.4	-0.11

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.27 ± 0.124	0.21	104	0.34



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.085 ± 0.01	0.0137	99.6	-0.03
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.002	0.00212	99.1	-0.09
Calcium	mg/l	61 ± 0.622	59 ± 3.5	2.15	96.7	-0.94
Chloride	mg/l	21.7 ± 0.152	19.3 ± 2.1	0.825	88.9	-2.93
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± 14	6.25	99.8	-0.18
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.655 ± 0.046	0.0577	101	0.11
Total hardness	mmol/l	2.29 ± 0.0172	2.225 ± 0.223	0.0618	97.1	-1.06
Total nitrogen	mg/l	7.48 ± 0.238	6.2 ± 0.6	0.628	82.9	-2.04
Hydrogen carbonate	mg/l	157 ± 1.09	158.7 ± 15.9	3.36	101	0.46
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.1	0.094	93.4	-0.82
Magnesium	mg/l	18.2 ± 0.188	18 ± 3.2	0.651	99.1	-0.27
Sodium	mg/l	6.75 ± 0.0891	7 ± 0.6	0.292	104	0.84
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	27 ± 3	1.58	84	-3.27
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.017	0.00998	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.184 ± 0.013	0.0162	103	0.35
pH-value	-	7.85 ± 0.0288	7.8 ± 0.16	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	50.8 ± 6.1	1.89	88.9	-3.36
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.602 ± 0.26	0.0525	100	0.03

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.52 ± 0.06	0.133	89.7	-0.45

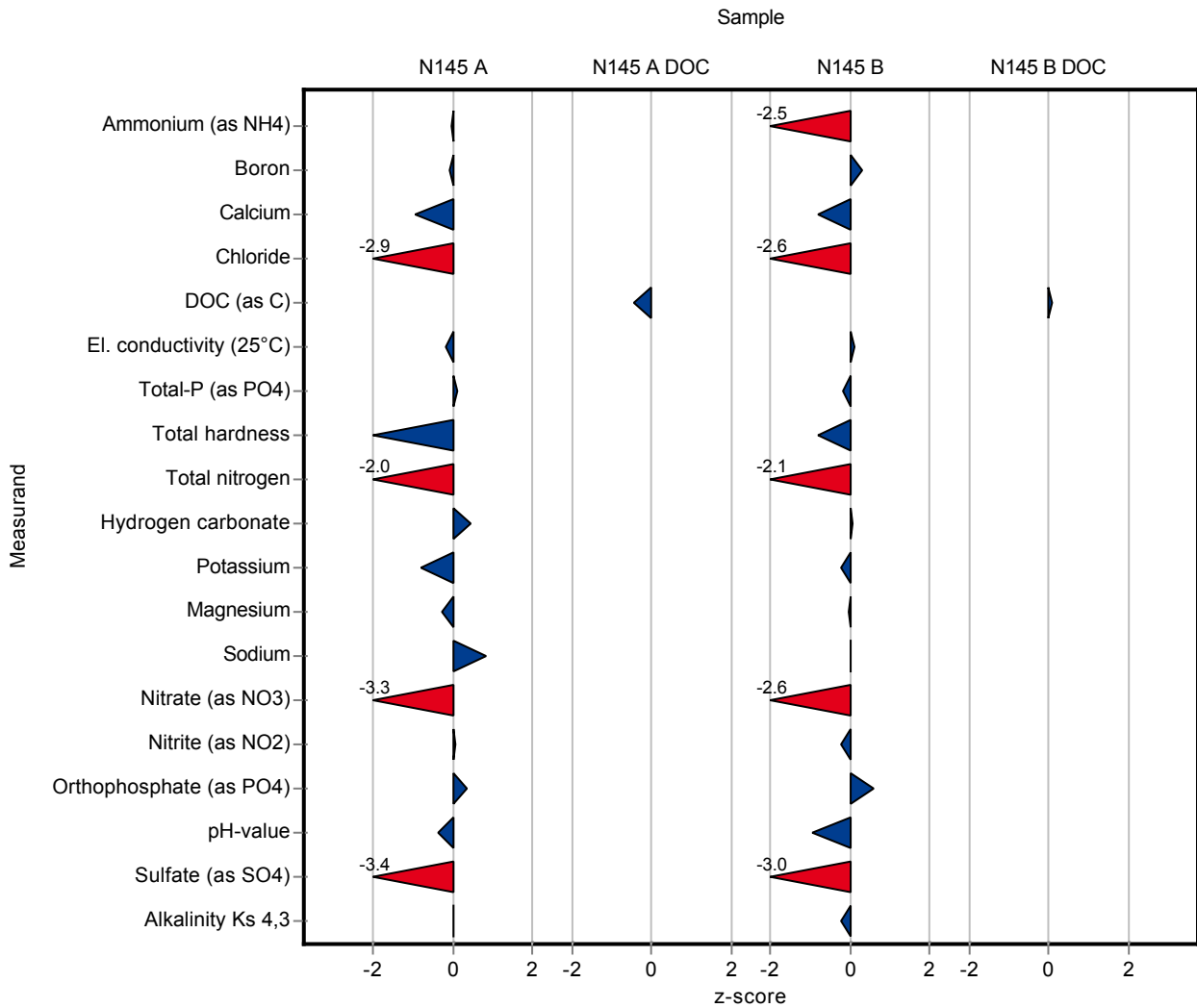
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.054 ± 0.006	0.0143	60.6	-2.46
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.001	0.00155	103	0.32
Calcium	mg/l	63.5 ± 0.611	61.8 ± 3.7	2.09	97.4	-0.80
Chloride	mg/l	28.2 ± 0.219	25.4 ± 2.8	1.07	90.1	-2.59
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 15	6.48	100	0.11
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.135 ± 0.009	0.0122	98.3	-0.19
Total hardness	mmol/l	2.2 ± 0.0157	2.154 ± 0.215	0.0595	97.8	-0.83

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.5 ± 0.25	0.252	82.3	-2.13
Hydrogen carbonate	mg/l	217 ± 1.49	217 ± 21.7	4.7	100	0.06
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.2	0.121	98.8	-0.25
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 2.6	0.523	99.9	-0.04
Sodium	mg/l	17.4 ± 0.211	17.4 ± 1.6	0.715	100	-0.01
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	10.9 ± 1.2	0.611	87.5	-2.56
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.062 ± 0.006	0.00423	98.3	-0.25
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.129 ± 0.009	0.0111	105	0.60
pH-value	-	8.13 ± 0.0204	8 ± 0.16	0.13	98.5	-0.97
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	27.7 ± 0.6	1.02	90	-3.03
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.557 ± 0.356	0.0725	99.6	-0.22

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.2 ± 0.2	0.21	101	0.08



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.085 ± 0.01	0.0137	99.6	-0.02
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.002	0.00212	99.1	-0.05
Calcium	mg/l	61 ± 0.622	59 ± 3.5	2.15	96.7	-0.29
Chloride	mg/l	21.7 ± 0.152	19.3 ± 2.1	0.825	88.9	-0.57
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± 14	6.25	99.8	-0.04
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.655 ± 0.046	0.0577	101	0.07
Total hardness	mmol/l	2.29 ± 0.0172	2.225 ± 0.223	0.0618	97.1	-0.15
Total nitrogen	mg/l	7.48 ± 0.238	6.2 ± 0.6	0.628	82.9	-1.05
Hydrogen carbonate	mg/l	157 ± 1.09	158.7 ± 15.9	3.36	101	0.05
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.1	0.094	93.4	-0.38
Magnesium	mg/l	18.2 ± 0.188	18 ± 3.2	0.651	99.1	-0.03
Sodium	mg/l	6.75 ± 0.0891	7 ± 0.6	0.292	104	0.20
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	27 ± 3	1.58	84	-0.86
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.017	0.00998	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.184 ± 0.013	0.0162	103	0.22
pH-value	-	7.85 ± 0.0288	7.8 ± 0.16	0.126	99.4	-0.15
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	50.8 ± 6.1	1.89	88.9	-0.52
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.602 ± 0.26	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.52 ± 0.06	0.133	89.7	-0.47

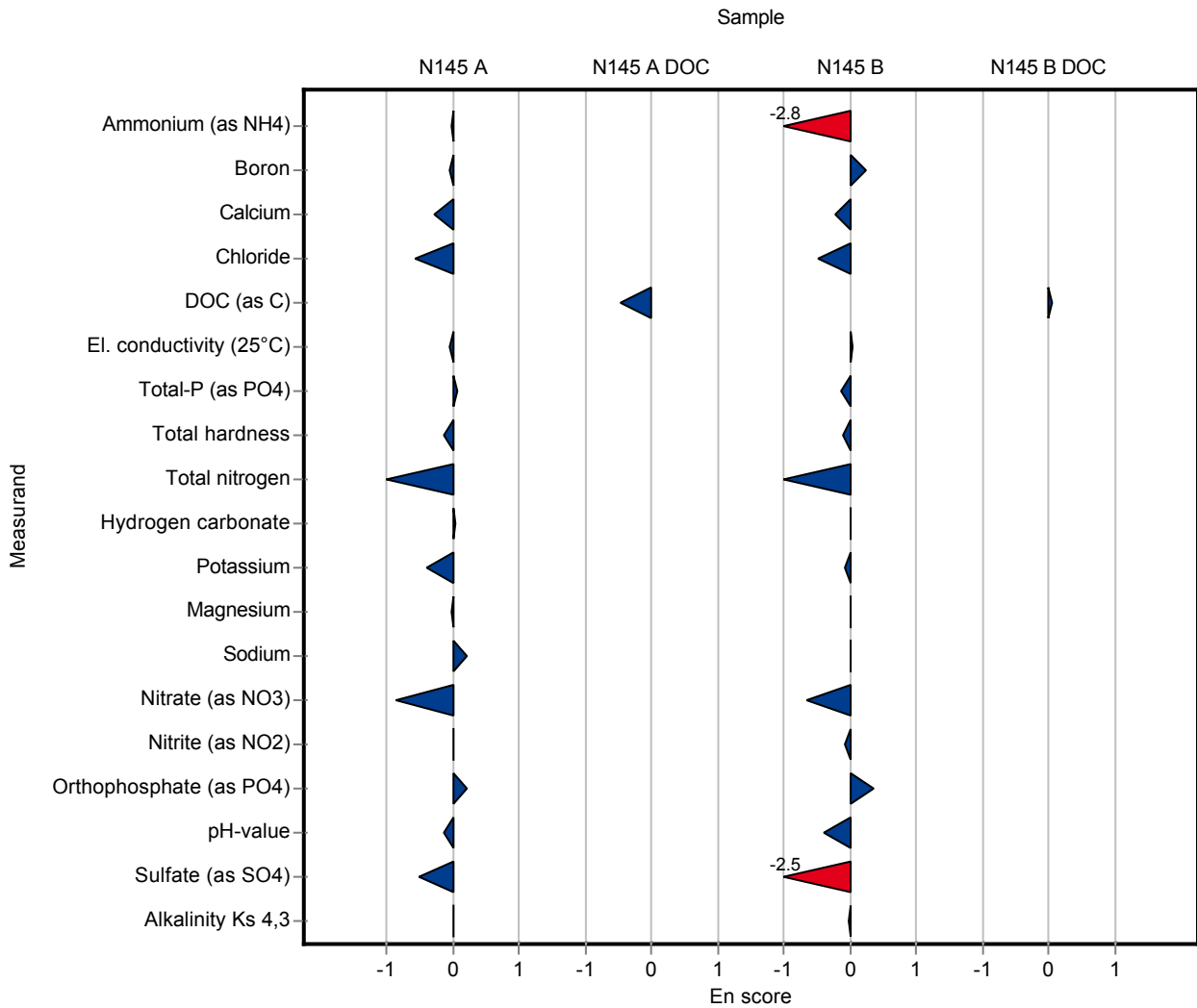
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.054 ± 0.006	0.0143	60.6	-2.79
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.001	0.00155	103	0.23
Calcium	mg/l	63.5 ± 0.611	61.8 ± 3.7	2.09	97.4	-0.23
Chloride	mg/l	28.2 ± 0.219	25.4 ± 2.8	1.07	90.1	-0.50
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 15	6.48	100	0.02
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.135 ± 0.009	0.0122	98.3	-0.13
Total hardness	mmol/l	2.2 ± 0.0157	2.154 ± 0.215	0.0595	97.8	-0.12

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.5 ± 0.25	0.252	82.3	-1.06
Hydrogen carbonate	mg/l	217 ± 1.49	217 ± 21.7	4.7	100	0.01
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.2	0.121	98.8	-0.07
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 2.6	0.523	99.9	0.00
Sodium	mg/l	17.4 ± 0.211	17.4 ± 1.6	0.715	100	0.00
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	10.9 ± 1.2	0.611	87.5	-0.65
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.062 ± 0.006	0.00423	98.3	-0.09
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.129 ± 0.009	0.0111	105	0.37
pH-value	-	8.13 ± 0.0204	8 ± 0.16	0.13	98.5	-0.39
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	27.7 ± 0.6	1.02	90	-2.51
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.557 ± 0.356	0.0725	99.6	-0.02

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.2 ± 0.2	0.21	101	0.04



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.086 ± 0.013	0.0137	101	0.05
Boron	mg/l	0.0212 ± 0.000599	0.03 ± 0.005	0.00212	142	4.15
Calcium	mg/l	61 ± 0.622	61.4 ± 9.2	2.15	101	0.17
Chloride	mg/l	21.7 ± 0.152	20.1 ± 3	0.825	92.6	-1.96
El. conductivity (25°C)	µS/cm	481 ± 1.57	476 ± 14	6.25	98.9	-0.82
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.62 ± 0.09	0.0577	95.6	-0.50
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.35	0.0618	99.5	-0.17
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	152 ± 15	3.36	96.7	-1.53
Potassium	mg/l	1.18 ± 0.028	1.21 ± 0.2	0.094	103	0.35
Magnesium	mg/l	18.2 ± 0.188	18.1 ± 2.7	0.651	99.6	-0.11
Sodium	mg/l	6.75 ± 0.0891	10.2 ± 1.5	0.292	151	11.80
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.73 ± 4.8	1.58	98.7	-0.27
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.192 ± 0.029	0.00998	102	0.38
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 0.027	0.0162	99.3	-0.08
pH-value	-	7.85 ± 0.0288	7.95 ± 0.24	0.126	101	0.81
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	58.19 ± 8.7	1.89	102	0.56
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.26	0.0525	99.2	-0.39

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.85 ± 0.13	0.133	147	2.02

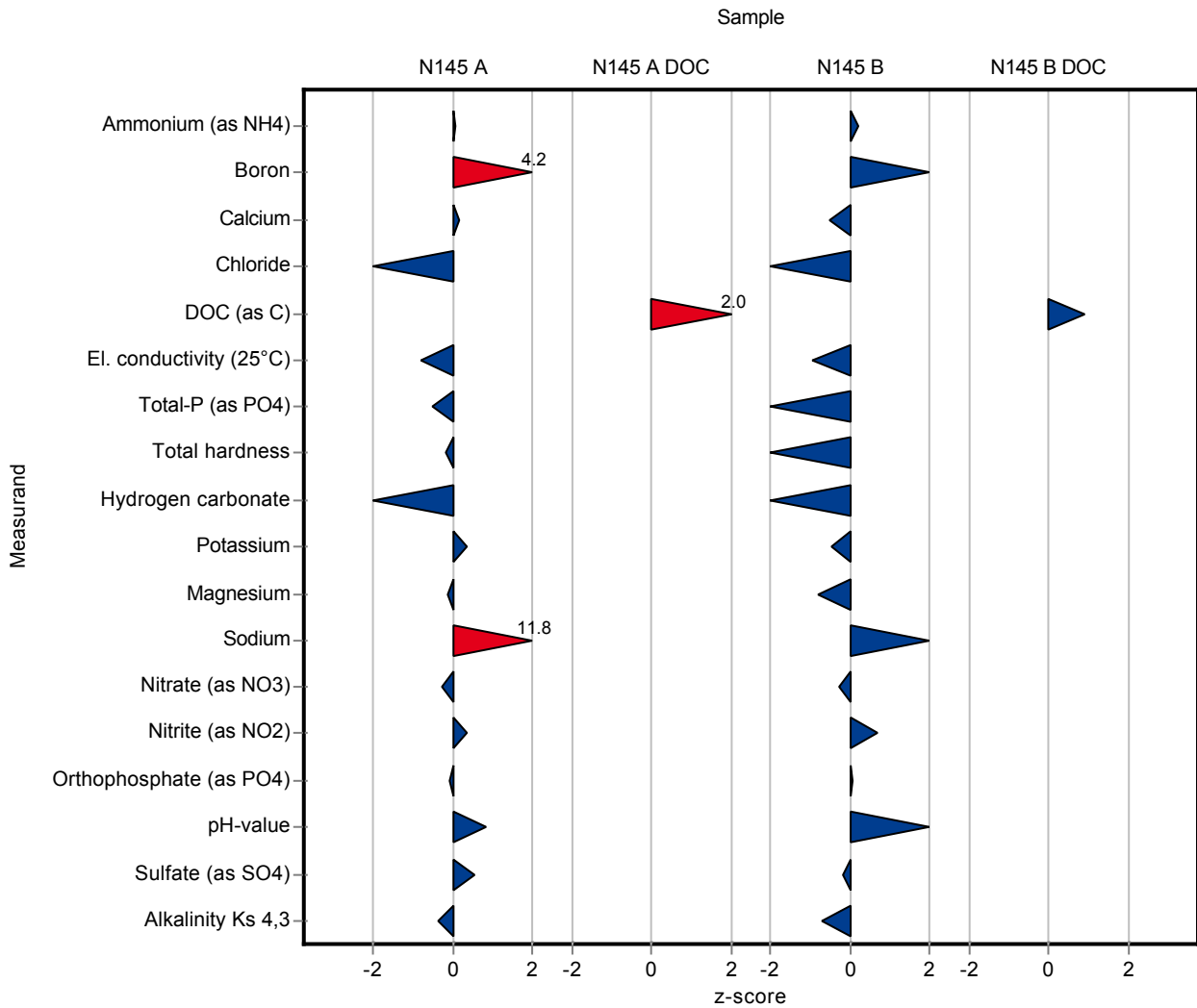
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.092 ± 0.014	0.0143	103	0.20
Boron	mg/l	0.0155 ± 0.000684	0.018 ± 0.003	0.00155	116	1.61
Calcium	mg/l	63.5 ± 0.611	62.4 ± 9.4	2.09	98.3	-0.52
Chloride	mg/l	28.2 ± 0.219	26.7 ± 4	1.07	94.8	-1.38
El. conductivity (25°C)	µS/cm	498 ± 1.43	492 ± 15	6.48	98.7	-0.97
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.12 ± 0.02	0.0122	87.4	-1.42
Total hardness	mmol/l	2.2 ± 0.0157	2.14 ± 0.32	0.0595	97.1	-1.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	211 ± 21	4.7	97.4	-1.22
Potassium	mg/l	2.43 ± 0.0361	2.37 ± 0.4	0.121	97.5	-0.50
Magnesium	mg/l	14.6 ± 0.152	14.2 ± 2.1	0.523	97.1	-0.80
Sodium	mg/l	17.4 ± 0.211	18.6 ± 2.8	0.715	107	1.67
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.29 ± 1.8	0.611	98.6	-0.28
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.066 ± 0.01	0.00423	105	0.69
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.123 ± 0.018	0.0111	101	0.06
pH-value	-	8.13 ± 0.0204	8.26 ± 0.25	0.13	102	1.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.59 ± 4.6	1.02	99.4	-0.18
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.52 ± 0.35	0.0725	98.5	-0.73

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.37 ± 0.36	0.21	109	0.89



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.086 ± 0.013	0.0137	101	0.02
Boron	mg/l	0.0212 ± 0.000599	0.03 ± 0.005	0.00212	142	0.88
Calcium	mg/l	61 ± 0.622	61.4 ± 9.2	2.15	101	0.02
Chloride	mg/l	21.7 ± 0.152	20.1 ± 3	0.825	92.6	-0.27
El. conductivity (25°C)	µS/cm	481 ± 1.57	476 ± 14	6.25	98.9	-0.18
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.62 ± 0.09	0.0577	95.6	-0.16
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.35	0.0618	99.5	-0.01
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	152 ± 15	3.36	96.7	-0.17
Potassium	mg/l	1.18 ± 0.028	1.21 ± 0.2	0.094	103	0.08
Magnesium	mg/l	18.2 ± 0.188	18.1 ± 2.7	0.651	99.6	-0.01
Sodium	mg/l	6.75 ± 0.0891	10.2 ± 1.5	0.292	151	1.15
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.73 ± 4.8	1.58	98.7	-0.04
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.192 ± 0.029	0.00998	102	0.06
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 0.027	0.0162	99.3	-0.02
pH-value	-	7.85 ± 0.0288	7.95 ± 0.24	0.126	101	0.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	58.19 ± 8.7	1.89	102	0.06
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.26	0.0525	99.2	-0.04

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.85 ± 0.13	0.133	147	1.02

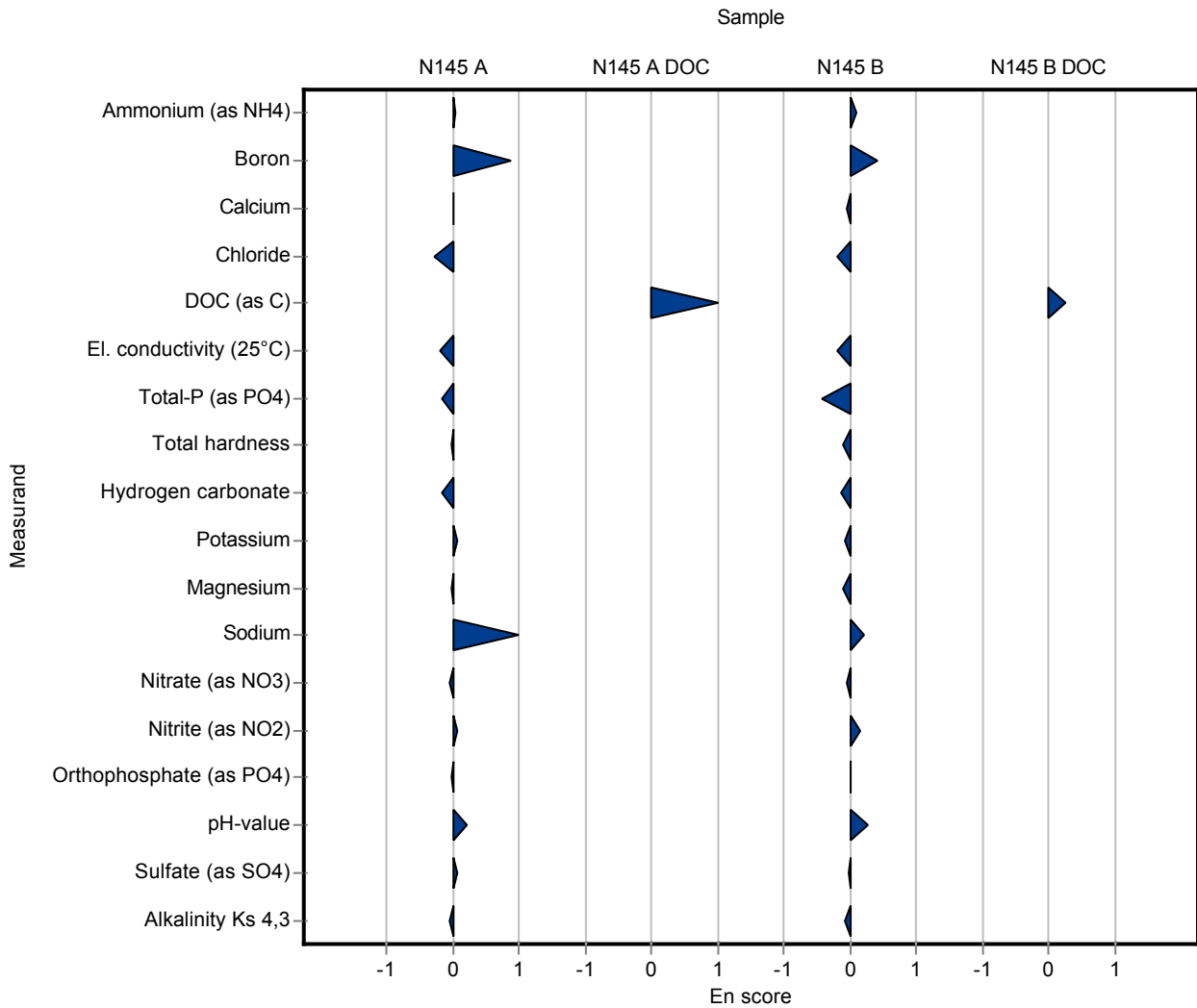
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.092 ± 0.014	0.0143	103	0.10
Boron	mg/l	0.0155 ± 0.000684	0.018 ± 0.003	0.00155	116	0.41
Calcium	mg/l	63.5 ± 0.611	62.4 ± 9.4	2.09	98.3	-0.06
Chloride	mg/l	28.2 ± 0.219	26.7 ± 4	1.07	94.8	-0.18
El. conductivity (25°C)	µS/cm	498 ± 1.43	492 ± 15	6.48	98.7	-0.21
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.12 ± 0.02	0.0122	87.4	-0.43
Total hardness	mmol/l	2.2 ± 0.0157	2.14 ± 0.32	0.0595	97.1	-0.10

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	211 ± 21	4.7	97.4	-0.14
Potassium	mg/l	2.43 ± 0.0361	2.37 ± 0.4	0.121	97.5	-0.07
Magnesium	mg/l	14.6 ± 0.152	14.2 ± 2.1	0.523	97.1	-0.10
Sodium	mg/l	17.4 ± 0.211	18.6 ± 2.8	0.715	107	0.21
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.29 ± 1.8	0.611	98.6	-0.05
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.066 ± 0.01	0.00423	105	0.15
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.123 ± 0.018	0.0111	101	0.02
pH-value	-	8.13 ± 0.0204	8.26 ± 0.25	0.13	102	0.27
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.59 ± 4.6	1.02	99.4	-0.02
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.52 ± 0.35	0.0725	98.5	-0.08

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.37 ± 0.36	0.21	109	0.26



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	<0.06 (LOQ) ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	0.02142 ± 0.0022	0.00212	101	0.10
Calcium	mg/l	61 ± 0.622	60.49 ± 3.01	2.15	99.1	-0.25
Chloride	mg/l	21.7 ± 0.152	21.47 ± 1.87	0.825	98.9	-0.30
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± 51.2	6.25	100	-0.02
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.79 ± 0.128	0.0577	122	2.45
Total hardness	mmol/l	2.29 ± 0.0172	2.34 ± 0.117	0.0618	102	0.80
Total nitrogen	mg/l	7.48 ± 0.238	7.27 ± 1.89	0.628	97.2	-0.33
Hydrogen carbonate	mg/l	157 ± 1.09	155.7 ± 22.1	3.36	99.1	-0.43
Potassium	mg/l	1.18 ± 0.028	1.18 ± 0.059	0.094	100	0.03
Magnesium	mg/l	18.2 ± 0.188	18.34 ± 0.895	0.651	101	0.26
Sodium	mg/l	6.75 ± 0.0891	6.843 ± 0.341	0.292	101	0.31
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.43 ± 2.75	1.58	97.8	-0.46
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.3 ± 0.0352	0.00998	159	11.20
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.19 ± 0.0258	0.0162	107	0.72
pH-value	-	7.85 ± 0.0288	7.78 ± 0.23	0.126	99.1	-0.54
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.22 ± 7.123	1.89	98.4	-0.48
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.552 ± 0.362	0.0525	98.1	-0.92

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.55 ± 0.0473	0.133	94.8	-0.23

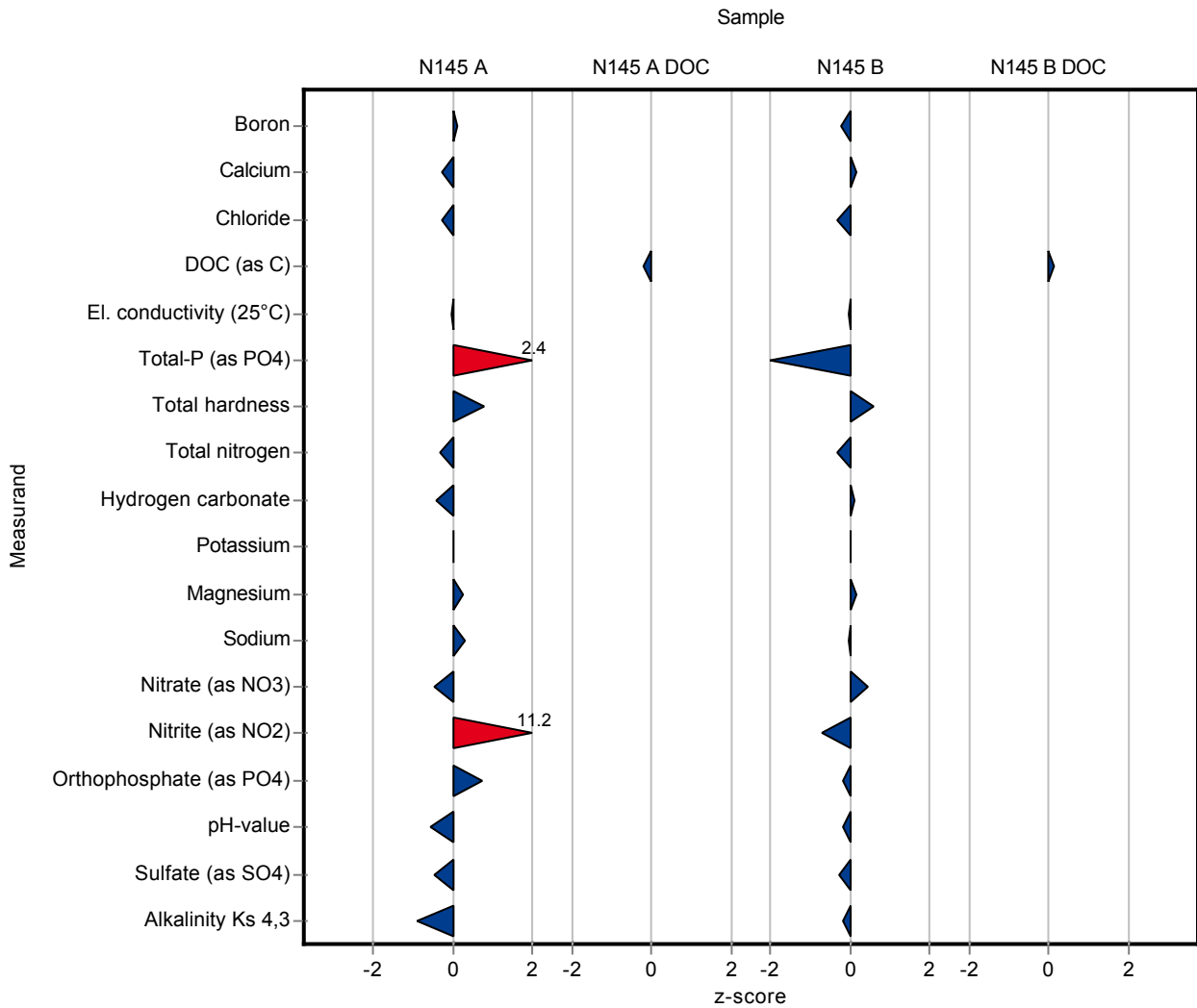
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	<0.06 (LOQ) ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	0.01516 ± 0.0016	0.00155	97.8	-0.22
Calcium	mg/l	63.5 ± 0.611	63.84 ± 3.17	2.09	101	0.17
Chloride	mg/l	28.2 ± 0.219	27.83 ± 2.418	1.07	98.8	-0.32
El. conductivity (25°C)	µS/cm	498 ± 1.43	498 ± 52.99	6.48	99.9	-0.05
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.12 ± 0.0195	0.0122	87.4	-1.42
Total hardness	mmol/l	2.2 ± 0.0157	2.24 ± 0.112	0.0595	102	0.61

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.95 ± 0.766	0.252	97.1	-0.35
Hydrogen carbonate	mg/l	217 ± 1.49	217.3 ± 30.86	4.7	100	0.12
Potassium	mg/l	2.43 ± 0.0361	2.432 ± 0.121	0.121	100	0.02
Magnesium	mg/l	14.6 ± 0.152	14.7 ± 0.717	0.523	101	0.15
Sodium	mg/l	17.4 ± 0.211	17.37 ± 0.867	0.715	99.8	-0.05
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.74 ± 1.115	0.611	102	0.45
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.007	0.00423	95.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.12 ± 0.016	0.0111	98.1	-0.21
pH-value	-	8.13 ± 0.0204	8.1 ± 0.24	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.49 ± 3.863	1.02	99.1	-0.28
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 0.5055	0.0725	99.6	-0.18

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.21 ± 0.19	0.21	101	0.13



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	<0.06 (LOQ) ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	0.02142 ± 0.0022	0.00212	101	0.05
Calcium	mg/l	61 ± 0.622	60.49 ± 3.01	2.15	99.1	-0.09
Chloride	mg/l	21.7 ± 0.152	21.47 ± 1.87	0.825	98.9	-0.07
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± 51.2	6.25	100	0.00
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.79 ± 0.128	0.0577	122	0.55
Total hardness	mmol/l	2.29 ± 0.0172	2.34 ± 0.117	0.0618	102	0.21
Total nitrogen	mg/l	7.48 ± 0.238	7.27 ± 1.89	0.628	97.2	-0.06
Hydrogen carbonate	mg/l	157 ± 1.09	155.7 ± 22.1	3.36	99.1	-0.03
Potassium	mg/l	1.18 ± 0.028	1.18 ± 0.059	0.094	100	0.02
Magnesium	mg/l	18.2 ± 0.188	18.34 ± 0.895	0.651	101	0.09
Sodium	mg/l	6.75 ± 0.0891	6.843 ± 0.341	0.292	101	0.13
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.43 ± 2.75	1.58	97.8	-0.13
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.3 ± 0.0352	0.00998	159	1.59
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.19 ± 0.0258	0.0162	107	0.23
pH-value	-	7.85 ± 0.0288	7.78 ± 0.23	0.126	99.1	-0.15
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.22 ± 7.123	1.89	98.4	-0.06
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.552 ± 0.362	0.0525	98.1	-0.07

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.55 ± 0.0473	0.133	94.8	-0.28

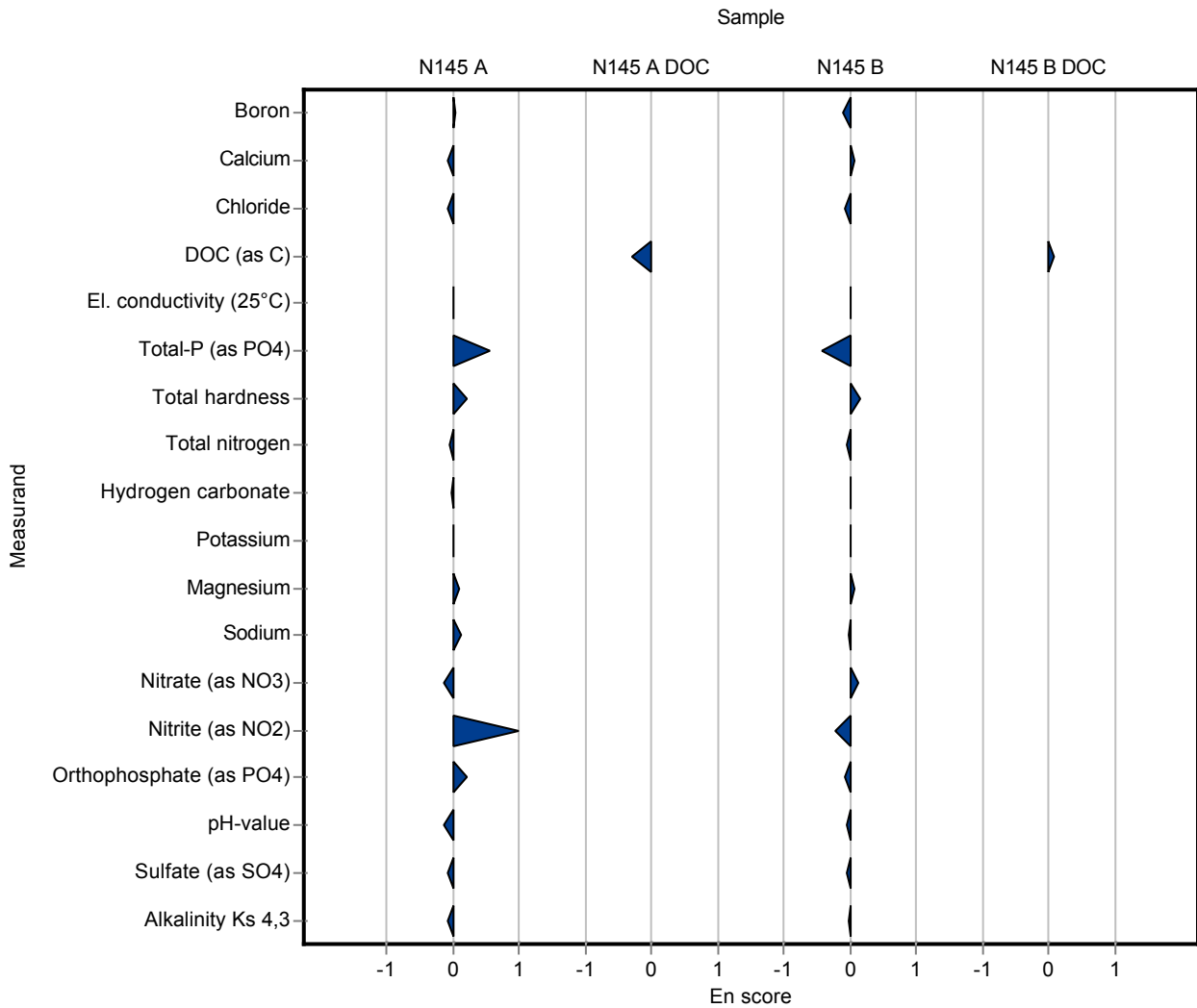
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	<0.06 (LOQ) ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	0.01516 ± 0.0016	0.00155	97.8	-0.10
Calcium	mg/l	63.5 ± 0.611	63.84 ± 3.17	2.09	101	0.06
Chloride	mg/l	28.2 ± 0.219	27.83 ± 2.418	1.07	98.8	-0.07
El. conductivity (25°C)	µS/cm	498 ± 1.43	498 ± 52.99	6.48	99.9	0.00
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.12 ± 0.0195	0.0122	87.4	-0.44
Total hardness	mmol/l	2.2 ± 0.0157	2.24 ± 0.112	0.0595	102	0.16

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.95 ± 0.766	0.252	97.1	-0.06
Hydrogen carbonate	mg/l	217 ± 1.49	217.3 ± 30.86	4.7	100	0.01
Potassium	mg/l	2.43 ± 0.0361	2.432 ± 0.121	0.121	100	0.01
Magnesium	mg/l	14.6 ± 0.152	14.7 ± 0.717	0.523	101	0.06
Sodium	mg/l	17.4 ± 0.211	17.37 ± 0.867	0.715	99.8	-0.02
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.74 ± 1.115	0.611	102	0.12
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.007	0.00423	95.1	-0.22
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.12 ± 0.016	0.0111	98.1	-0.07
pH-value	-	8.13 ± 0.0204	8.1 ± 0.24	0.13	99.7	-0.05
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.49 ± 3.863	1.02	99.1	-0.04
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 0.5055	0.0725	99.6	-0.01

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.21 ± 0.19	0.21	101	0.07



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.099 ± 0.0099	0.0137	116	1.00
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	64.9 ± 3.89	2.15	106	1.79
Chloride	mg/l	21.7 ± 0.152	22.4 ± 2.02	0.825	103	0.83
El. conductivity (25°C)	µS/cm	481 ± 1.57	475 ± 28.5	6.25	98.7	-0.98
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.659 ± 0.0659	0.0577	102	0.18
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.171	0.0618	99.5	-0.17
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 15	3.36	101	0.25
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.11	0.094	93.4	-0.82
Magnesium	mg/l	18.2 ± 0.188	18.6 ± 2.23	0.651	102	0.66
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.44	0.292	101	0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.7 ± 3.54	1.58	105	0.98
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.019	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.188 ± 0.0188	0.0162	105	0.59
pH-value	-	7.85 ± 0.0288	8 ± 0.8	0.126	102	1.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.5 ± 5.35	1.89	104	1.26
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± 0.246	0.0525	99.6	-0.20

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<0.1 (LOQ) ± -	0.133	-	-

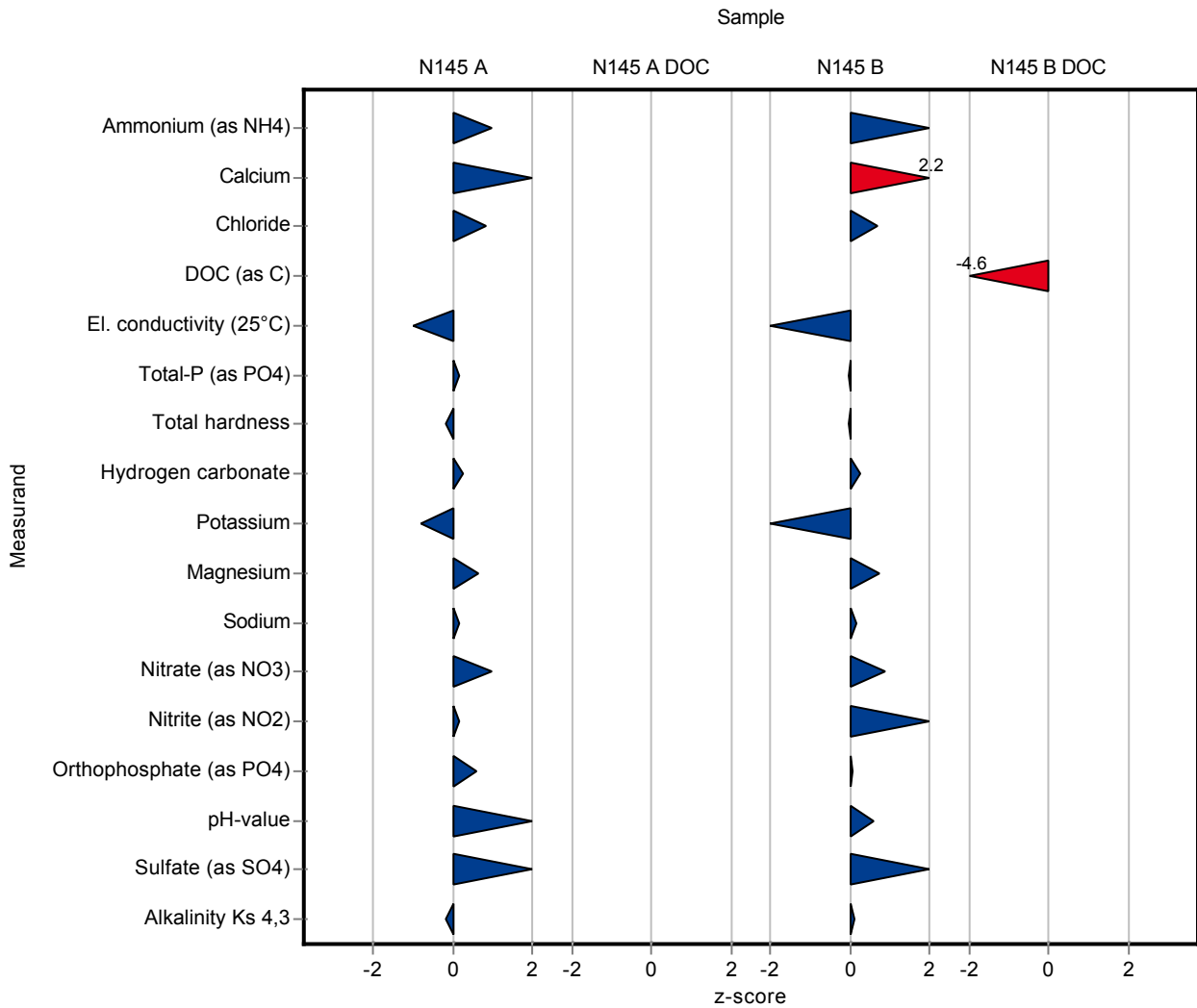
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.105 ± 0.0105	0.0143	118	1.11
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	68 ± 4.08	2.09	107	2.16
Chloride	mg/l	28.2 ± 0.219	28.9 ± 2.6	1.07	103	0.68
El. conductivity (25°C)	µS/cm	498 ± 1.43	490 ± 29.4	6.48	98.3	-1.28
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.137 ± 0.0137	0.0122	99.8	-0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.165	0.0595	99.8	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	218 ± 20.7	4.7	101	0.27
Potassium	mg/l	2.43 ± 0.0361	2.3 ± 0.23	0.121	94.7	-1.07
Magnesium	mg/l	14.6 ± 0.152	15 ± 1.8	0.523	103	0.73
Sodium	mg/l	17.4 ± 0.211	17.5 ± 1.14	0.715	101	0.13
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 1.37	0.611	104	0.88
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.068 ± 0.0068	0.00423	108	1.16
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.123 ± 0.0123	0.0111	101	0.06
pH-value	-	8.13 ± 0.0204	8.2 ± 0.82	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.8 ± 2.95	1.02	107	1.99
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.58 ± 0.34	0.0725	100	0.10

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.21 ± 0.072	0.21	55.4	-4.64



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.099 ± 0.0099	0.0137	116	0.68
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	64.9 ± 3.89	2.15	106	0.49
Chloride	mg/l	21.7 ± 0.152	22.4 ± 2.02	0.825	103	0.17
El. conductivity (25°C)	µS/cm	481 ± 1.57	475 ± 28.5	6.25	98.7	-0.11
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.659 ± 0.0659	0.0577	102	0.08
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.171	0.0618	99.5	-0.03
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 15	3.36	101	0.03
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.11	0.094	93.4	-0.35
Magnesium	mg/l	18.2 ± 0.188	18.6 ± 2.23	0.651	102	0.10
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.44	0.292	101	0.05
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.7 ± 3.54	1.58	105	0.22
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.019	0.00998	101	0.05
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.188 ± 0.0188	0.0162	105	0.26
pH-value	-	7.85 ± 0.0288	8 ± 0.8	0.126	102	0.10
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.5 ± 5.35	1.89	104	0.22
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± 0.246	0.0525	99.6	-0.02

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<0.1 (LOQ) ± -	0.133	-	-

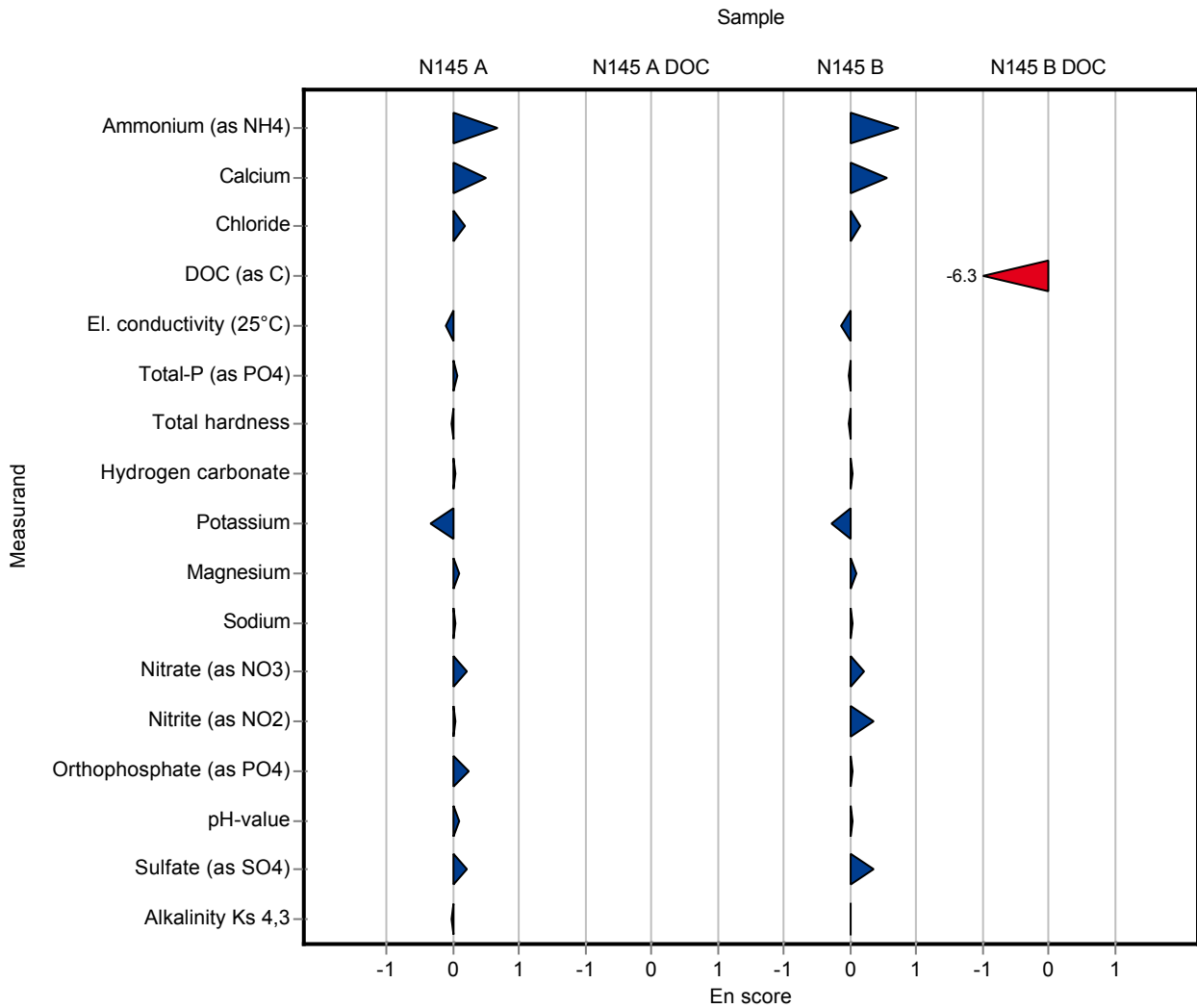
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.105 ± 0.0105	0.0143	118	0.74
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	68 ± 4.08	2.09	107	0.55
Chloride	mg/l	28.2 ± 0.219	28.9 ± 2.6	1.07	103	0.14
El. conductivity (25°C)	µS/cm	498 ± 1.43	490 ± 29.4	6.48	98.3	-0.14
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.137 ± 0.0137	0.0122	99.8	-0.01
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.165	0.0595	99.8	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	218 ± 20.7	4.7	101	0.03
Potassium	mg/l	2.43 ± 0.0361	2.3 ± 0.23	0.121	94.7	-0.28
Magnesium	mg/l	14.6 ± 0.152	15 ± 1.8	0.523	103	0.11
Sodium	mg/l	17.4 ± 0.211	17.5 ± 1.14	0.715	101	0.04
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 1.37	0.611	104	0.20
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.068 ± 0.0068	0.00423	108	0.36
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.123 ± 0.0123	0.0111	101	0.03
pH-value	-	8.13 ± 0.0204	8.2 ± 0.82	0.13	101	0.05
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.8 ± 2.95	1.02	107	0.34
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.58 ± 0.34	0.0725	100	0.01

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.21 ± 0.072	0.21	55.4	-6.26



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.075 ± 0.005	0.0137	87.9	-0.76
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	57.3 ± 5.2	2.15	93.9	-1.73
Chloride	mg/l	21.7 ± 0.152	22.4 ± 0.83	0.825	103	0.83
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 15	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.631 ± 0.03	0.0577	97.3	-0.31
Total hardness	mmol/l	2.29 ± 0.0172	2.12 ± 0.21	0.0618	92.6	-2.75
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.08 ± 0.08	0.094	91.7	-1.04
Magnesium	mg/l	18.2 ± 0.188	16.9 ± 2	0.651	93	-1.96
Sodium	mg/l	6.75 ± 0.0891	6.47 ± 0.78	0.292	95.8	-0.97
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.7 ± 1.4	1.58	102	0.35
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.188 ± 0.009	0.00998	99.9	-0.03
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.178 ± 0.009	0.0162	99.8	-0.02
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.4 ± 5.7	1.89	100	0.14
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.83 ± 0.26	0.0525	109	4.37

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

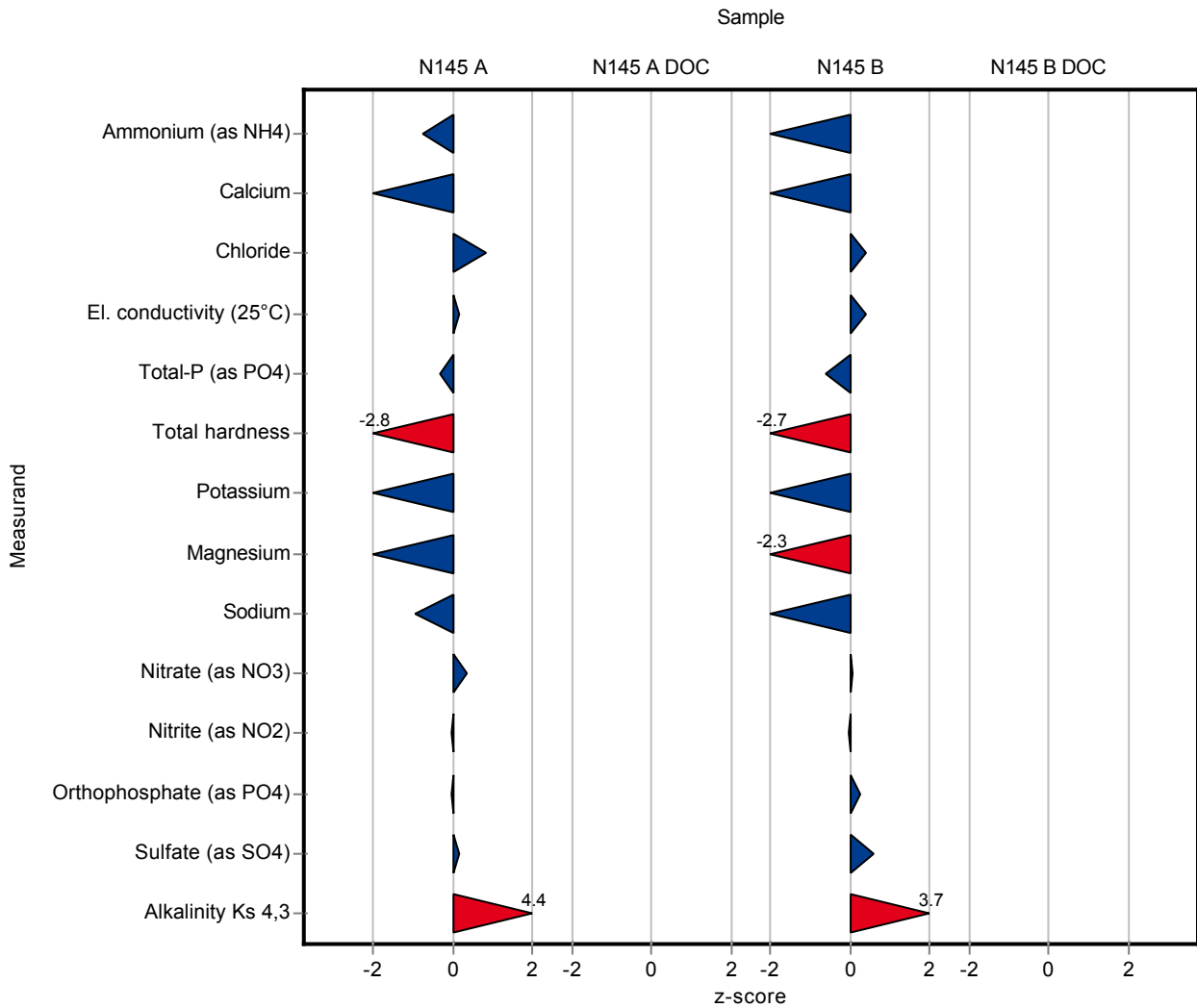
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.069 ± 0.005	0.0143	77.4	-1.41
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	59.9 ± 5.4	2.09	94.4	-1.71
Chloride	mg/l	28.2 ± 0.219	28.6 ± 1.05	1.07	102	0.40
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 16	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.13 ± 0.006	0.0122	94.7	-0.60
Total hardness	mmol/l	2.2 ± 0.0157	2.04 ± 0.2	0.0595	92.6	-2.75

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.29 ± 0.17	0.121	94.2	-1.16
Magnesium	mg/l	14.6 ± 0.152	13.4 ± 1.6	0.523	91.7	-2.33
Sodium	mg/l	17.4 ± 0.211	16.6 ± 1.2	0.715	95.4	-1.12
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.55	0.611	100	0.06
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.063 ± 0.003	0.00423	99.9	-0.02
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.125 ± 0.006	0.0111	102	0.24
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.4 ± 3.1	1.02	102	0.61
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.84 ± 0.35	0.0725	107	3.68

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.075 ± 0.005	0.0137	87.9	-1.01
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	57.3 ± 5.2	2.15	93.9	-0.36
Chloride	mg/l	21.7 ± 0.152	22.4 ± 0.83	0.825	103	0.41
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 15	6.25	100	0.03
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.631 ± 0.03	0.0577	97.3	-0.29
Total hardness	mmol/l	2.29 ± 0.0172	2.12 ± 0.21	0.0618	92.6	-0.41
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.08 ± 0.08	0.094	91.7	-0.60
Magnesium	mg/l	18.2 ± 0.188	16.9 ± 2	0.651	93	-0.32
Sodium	mg/l	6.75 ± 0.0891	6.47 ± 0.78	0.292	95.8	-0.18
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.7 ± 1.4	1.58	102	0.20
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.188 ± 0.009	0.00998	99.9	-0.01
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.178 ± 0.009	0.0162	99.8	-0.02
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.4 ± 5.7	1.89	100	0.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.83 ± 0.26	0.0525	109	0.44

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

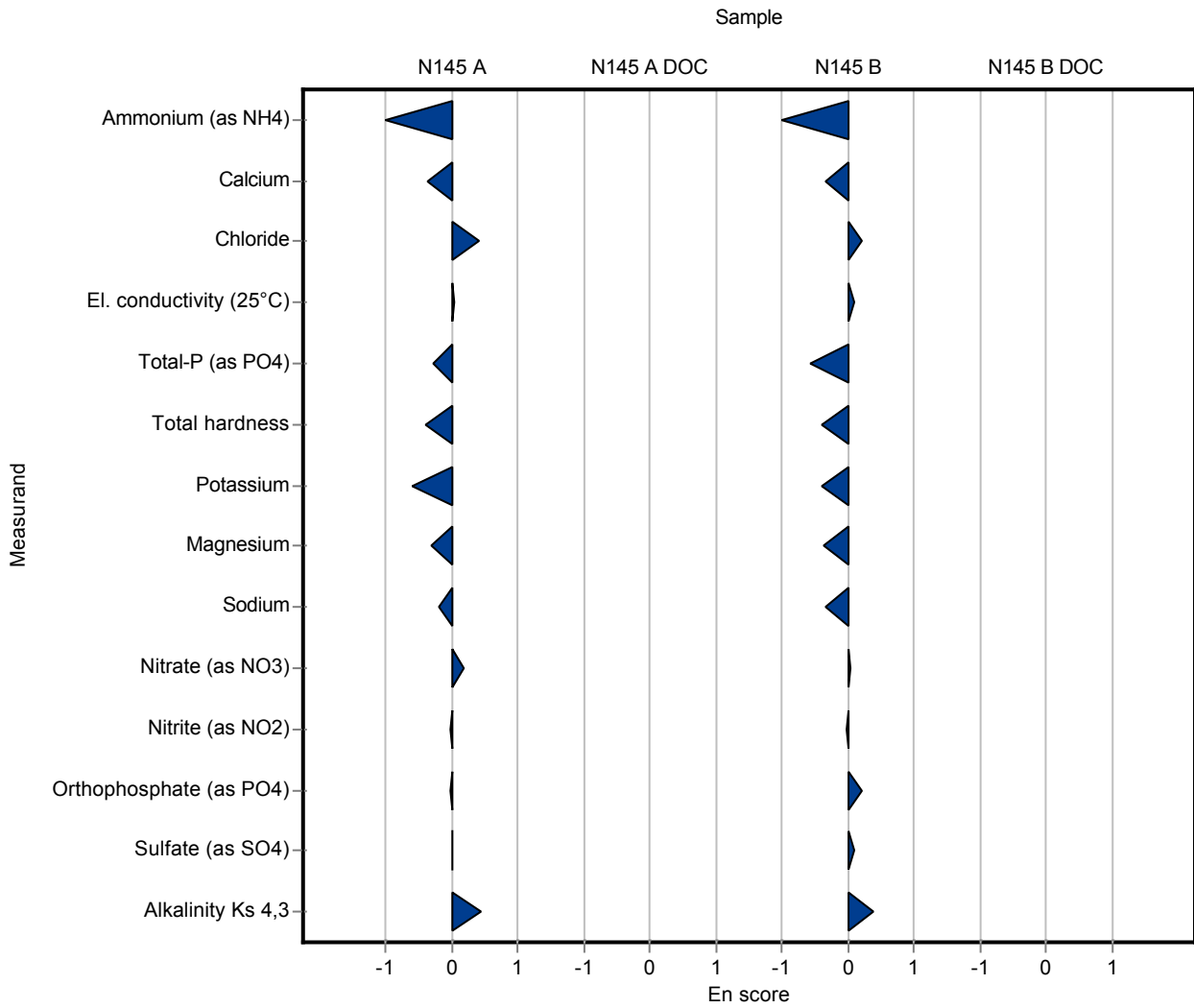
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.069 ± 0.005	0.0143	77.4	-1.88
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	59.9 ± 5.4	2.09	94.4	-0.33
Chloride	mg/l	28.2 ± 0.219	28.6 ± 1.05	1.07	102	0.20
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 16	6.48	101	0.08
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.13 ± 0.006	0.0122	94.7	-0.59
Total hardness	mmol/l	2.2 ± 0.0157	2.04 ± 0.2	0.0595	92.6	-0.41

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.29 ± 0.17	0.121	94.2	-0.41
Magnesium	mg/l	14.6 ± 0.152	13.4 ± 1.6	0.523	91.7	-0.38
Sodium	mg/l	17.4 ± 0.211	16.6 ± 1.2	0.715	95.4	-0.33
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.55	0.611	100	0.03
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.063 ± 0.003	0.00423	99.9	-0.01
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.125 ± 0.006	0.0111	102	0.22
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.4 ± 3.1	1.02	102	0.10
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.84 ± 0.35	0.0725	107	0.38

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.087 ± 0.01	0.0137	102	0.12
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.003	0.00212	99.1	-0.09
Calcium	mg/l	61 ± 0.622	60.6 ± 5.4	2.15	99.3	-0.20
Chloride	mg/l	21.7 ± 0.152	21.8 ± 1.1	0.825	100	0.10
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 15	6.25	100	0.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.655 ± 0.065	0.0577	101	0.11
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± -	0.0618	98.2	-0.65
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	155 ± 7	3.36	98.6	-0.64
Potassium	mg/l	1.18 ± 0.028	1.13 ± 0.1	0.094	96	-0.51
Magnesium	mg/l	18.2 ± 0.188	17.9 ± 1.6	0.651	98.5	-0.42
Sodium	mg/l	6.75 ± 0.0891	6.92 ± 0.56	0.292	102	0.57
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.5 ± 2.9	1.58	101	0.22
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.194 ± 0.019	0.00998	103	0.58
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.185 ± 0.018	0.0162	104	0.41
pH-value	-	7.85 ± 0.0288	7.99 ± 0.3	0.126	102	1.13
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.2 ± 2.8	1.89	96.6	-1.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.11	0.0525	99.2	-0.39

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.469 ± 0.05	0.133	80.9	-0.83

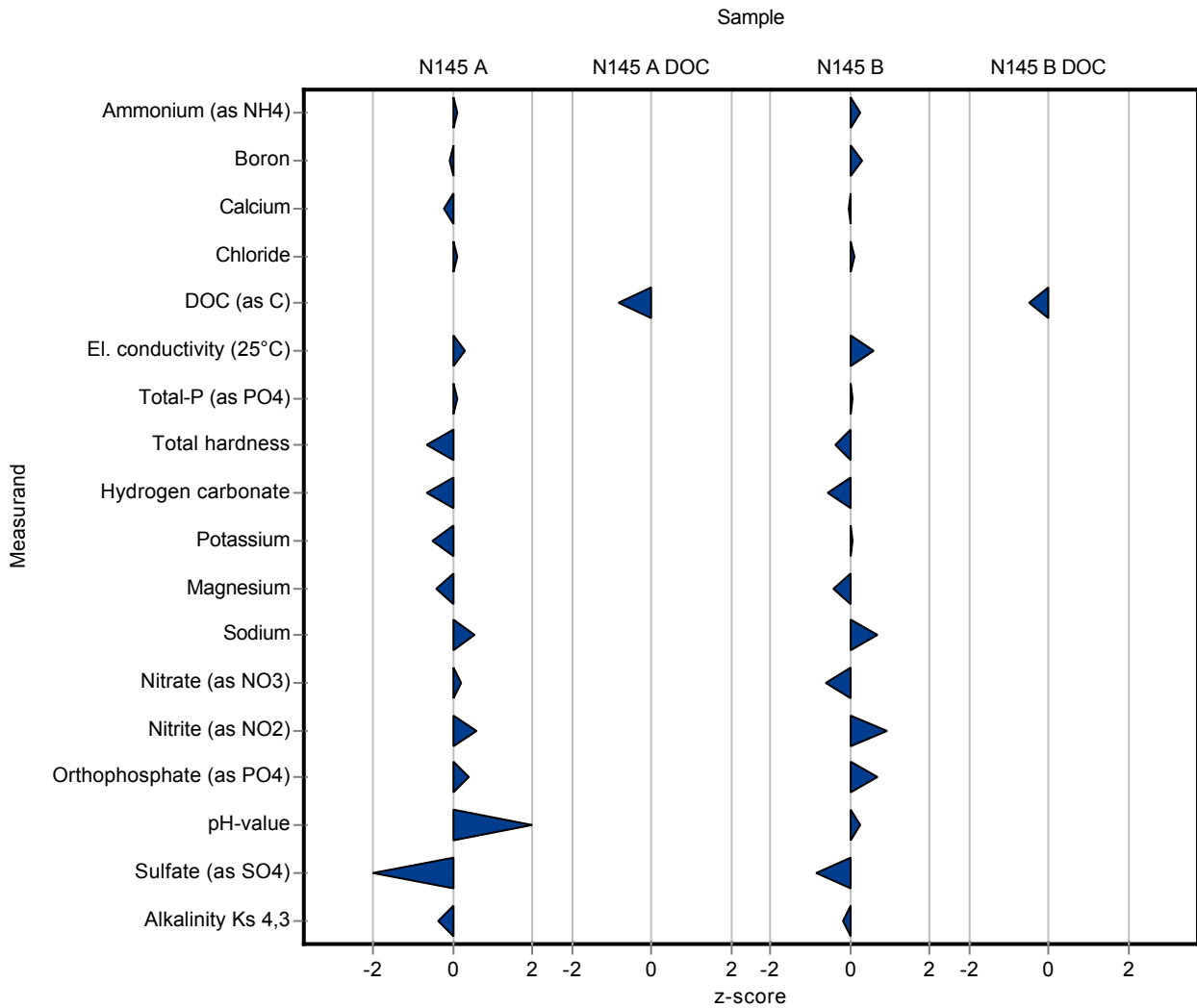
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.093 ± 0.01	0.0143	104	0.27
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.003	0.00155	103	0.32
Calcium	mg/l	63.5 ± 0.611	63.4 ± 5.7	2.09	99.9	-0.04
Chloride	mg/l	28.2 ± 0.219	28.3 ± 1.4	1.07	100	0.12
El. conductivity (25°C)	µS/cm	498 ± 1.43	502 ± 15	6.48	101	0.57
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.014	0.0122	101	0.06
Total hardness	mmol/l	2.2 ± 0.0157	2.18 ± -	0.0595	98.9	-0.39

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 9	4.7	98.7	-0.58
Potassium	mg/l	2.43 ± 0.0361	2.44 ± 0.2	0.121	100	0.08
Magnesium	mg/l	14.6 ± 0.152	14.4 ± 1.3	0.523	98.5	-0.42
Sodium	mg/l	17.4 ± 0.211	17.9 ± 1.4	0.715	103	0.69
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.1 ± 1.1	0.611	97.1	-0.60
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.067 ± 0.007	0.00423	106	0.93
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.13 ± 0.013	0.0111	106	0.69
pH-value	-	8.13 ± 0.0204	8.16 ± 0.3	0.13	100	0.26
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.9 ± 1.5	1.02	97.1	-0.86
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 0.15	0.0725	99.6	-0.18

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.08 ± 0.19	0.21	95.3	-0.49



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.087 ± 0.01	0.0137	102	0.08
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.003	0.00212	99.1	-0.03
Calcium	mg/l	61 ± 0.622	60.6 ± 5.4	2.15	99.3	-0.04
Chloride	mg/l	21.7 ± 0.152	21.8 ± 1.1	0.825	100	0.04
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 15	6.25	100	0.06
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.655 ± 0.065	0.0577	101	0.05
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± -	0.0618	98.2	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	155 ± 7	3.36	98.6	-0.15
Potassium	mg/l	1.18 ± 0.028	1.13 ± 0.1	0.094	96	-0.23
Magnesium	mg/l	18.2 ± 0.188	17.9 ± 1.6	0.651	98.5	-0.08
Sodium	mg/l	6.75 ± 0.0891	6.92 ± 0.56	0.292	102	0.15
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.5 ± 2.9	1.58	101	0.06
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.194 ± 0.019	0.00998	103	0.15
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.185 ± 0.018	0.0162	104	0.18
pH-value	-	7.85 ± 0.0288	7.99 ± 0.3	0.126	102	0.24
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.2 ± 2.8	1.89	96.6	-0.34
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.11	0.0525	99.2	-0.09

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.469 ± 0.05	0.133	80.9	-1.00

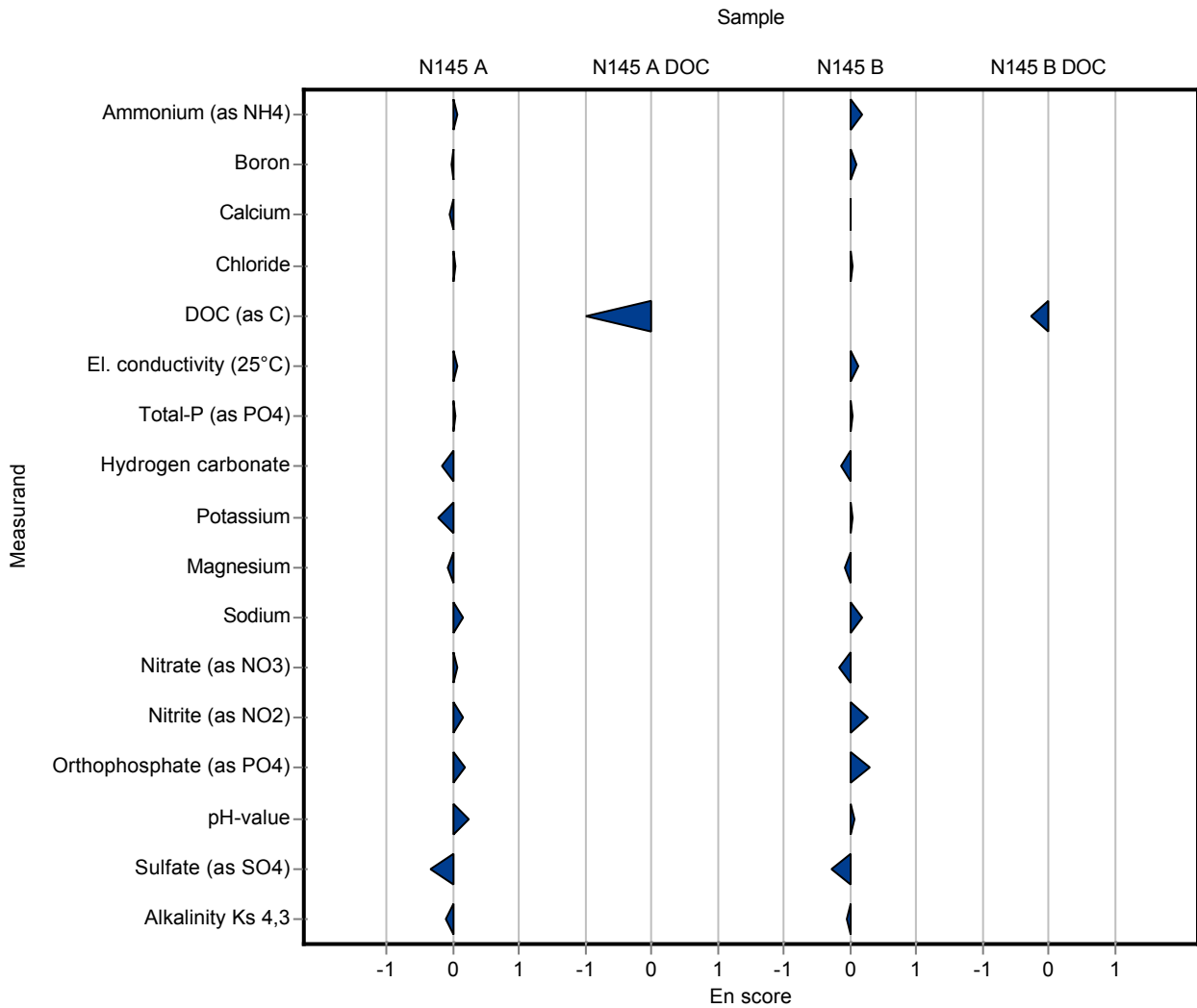
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.093 ± 0.01	0.0143	104	0.19
Boron	mg/l	0.0155 ± 0.000684	0.016 ± 0.003	0.00155	103	0.08
Calcium	mg/l	63.5 ± 0.611	63.4 ± 5.7	2.09	99.9	-0.01
Chloride	mg/l	28.2 ± 0.219	28.3 ± 1.4	1.07	100	0.04
El. conductivity (25°C)	µS/cm	498 ± 1.43	502 ± 15	6.48	101	0.12
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.014	0.0122	101	0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.18 ± -	0.0595	98.9	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 9	4.7	98.7	-0.15
Potassium	mg/l	2.43 ± 0.0361	2.44 ± 0.2	0.121	100	0.02
Magnesium	mg/l	14.6 ± 0.152	14.4 ± 1.3	0.523	98.5	-0.08
Sodium	mg/l	17.4 ± 0.211	17.9 ± 1.4	0.715	103	0.18
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.1 ± 1.1	0.611	97.1	-0.17
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.067 ± 0.007	0.00423	106	0.28
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.13 ± 0.013	0.0111	106	0.29
pH-value	-	8.13 ± 0.0204	8.16 ± 0.3	0.13	100	0.06
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.9 ± 1.5	1.02	97.1	-0.29
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.56 ± 0.15	0.0725	99.6	-0.04

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.08 ± 0.19	0.21	95.3	-0.27



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.082 ± 0.003	0.0137	96.1	-0.25
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	59.35 ± 1.7	2.15	97.2	-0.78
Chloride	mg/l	21.7 ± 0.152	21.7 ± 0.2	0.825	99.9	-0.02
El. conductivity (25°C)	µS/cm	481 ± 1.57	475.9 ± 2	6.25	98.9	-0.83
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.619 ± 0.005	0.0577	95.4	-0.52
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.1	0.0618	99.5	-0.17
Total nitrogen	mg/l	7.48 ± 0.238	7.48 ± 0.2	0.628	100	0.00
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 6.1	3.36	101	0.25
Potassium	mg/l	1.18 ± 0.028	1.11 ± 0.3	0.094	94.3	-0.72
Magnesium	mg/l	18.2 ± 0.188	17.93 ± 0.8	0.651	98.7	-0.37
Sodium	mg/l	6.75 ± 0.0891	6.77 ± 0.8	0.292	100	0.06
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.52 ± 0.4	1.58	101	0.23
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.002	0.00998	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.179 ± 0.002	0.0162	100	0.04
pH-value	-	7.85 ± 0.0288	8.05 ± 0.05	0.126	103	1.61
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.9 ± 2	1.89	97.8	-0.65
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± 0.1	0.0525	99.6	-0.20

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.86 ± 0.2	0.133	148	2.10

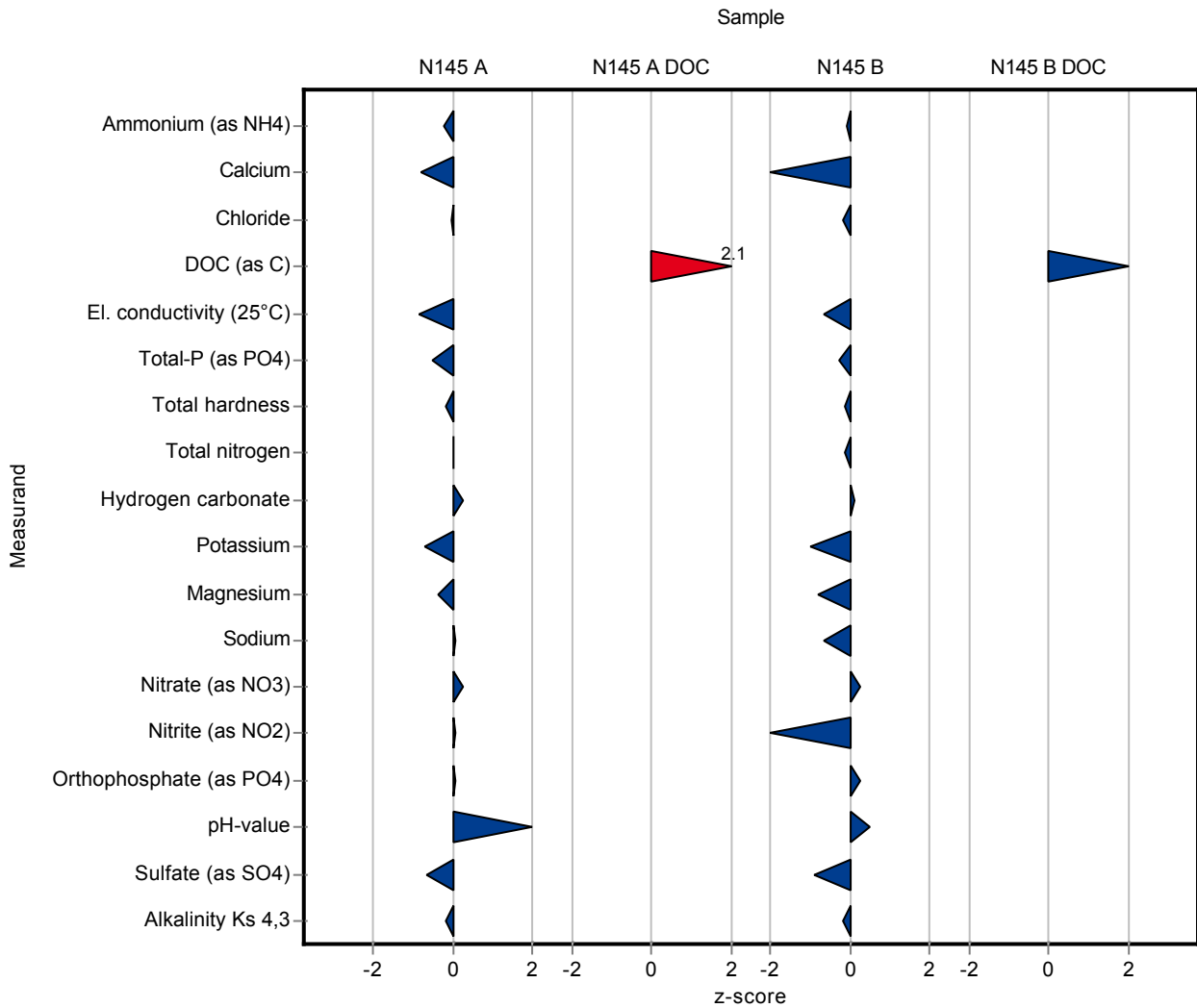
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.088 ± 0.003	0.0143	98.7	-0.08
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	60.86 ± 1.7	2.09	95.9	-1.25
Chloride	mg/l	28.2 ± 0.219	27.98 ± 0.2	1.07	99.3	-0.18
El. conductivity (25°C)	µS/cm	498 ± 1.43	493.9 ± 2	6.48	99.1	-0.68
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.134 ± 0.005	0.0122	97.6	-0.27
Total hardness	mmol/l	2.2 ± 0.0157	2.195 ± 0.1	0.0595	99.6	-0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3 ± 0.2	0.252	98.8	-0.15
Hydrogen carbonate	mg/l	217 ± 1.49	217.2 ± 6.1	4.7	100	0.10
Potassium	mg/l	2.43 ± 0.0361	2.31 ± 0.3	0.121	95.1	-0.99
Magnesium	mg/l	14.6 ± 0.152	14.19 ± 0.8	0.523	97.1	-0.82
Sodium	mg/l	17.4 ± 0.211	16.93 ± 0.8	0.715	97.3	-0.66
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.63 ± 0.4	0.611	101	0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.057 ± 0.002	0.00423	90.4	-1.44
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.125 ± 0.002	0.0111	102	0.24
pH-value	-	8.13 ± 0.0204	8.19 ± 0.05	0.13	101	0.49
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.87 ± 2	1.02	97.1	-0.89
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.561 ± 0.1	0.0725	99.7	-0.17

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.52 ± 0.2	0.21	115	1.61



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.082 ± 0.003	0.0137	96.1	-0.52
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	59.35 ± 1.7	2.15	97.2	-0.49
Chloride	mg/l	21.7 ± 0.152	21.7 ± 0.2	0.825	99.9	-0.03
El. conductivity (25°C)	µS/cm	481 ± 1.57	475.9 ± 2	6.25	98.9	-1.22
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.619 ± 0.005	0.0577	95.4	-1.91
Total hardness	mmol/l	2.29 ± 0.0172	2.28 ± 0.1	0.0618	99.5	-0.05
Total nitrogen	mg/l	7.48 ± 0.238	7.48 ± 0.2	0.628	100	0.00
Hydrogen carbonate	mg/l	157 ± 1.09	158 ± 6.1	3.36	101	0.07
Potassium	mg/l	1.18 ± 0.028	1.11 ± 0.3	0.094	94.3	-0.11
Magnesium	mg/l	18.2 ± 0.188	17.93 ± 0.8	0.651	98.7	-0.15
Sodium	mg/l	6.75 ± 0.0891	6.77 ± 0.8	0.292	100	0.01
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.52 ± 0.4	1.58	101	0.44
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.002	0.00998	100	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.179 ± 0.002	0.0162	100	0.12
pH-value	-	7.85 ± 0.0288	8.05 ± 0.05	0.126	103	1.94
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.9 ± 2	1.89	97.8	-0.30
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± 0.1	0.0525	99.6	-0.05

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.86 ± 0.2	0.133	148	0.69

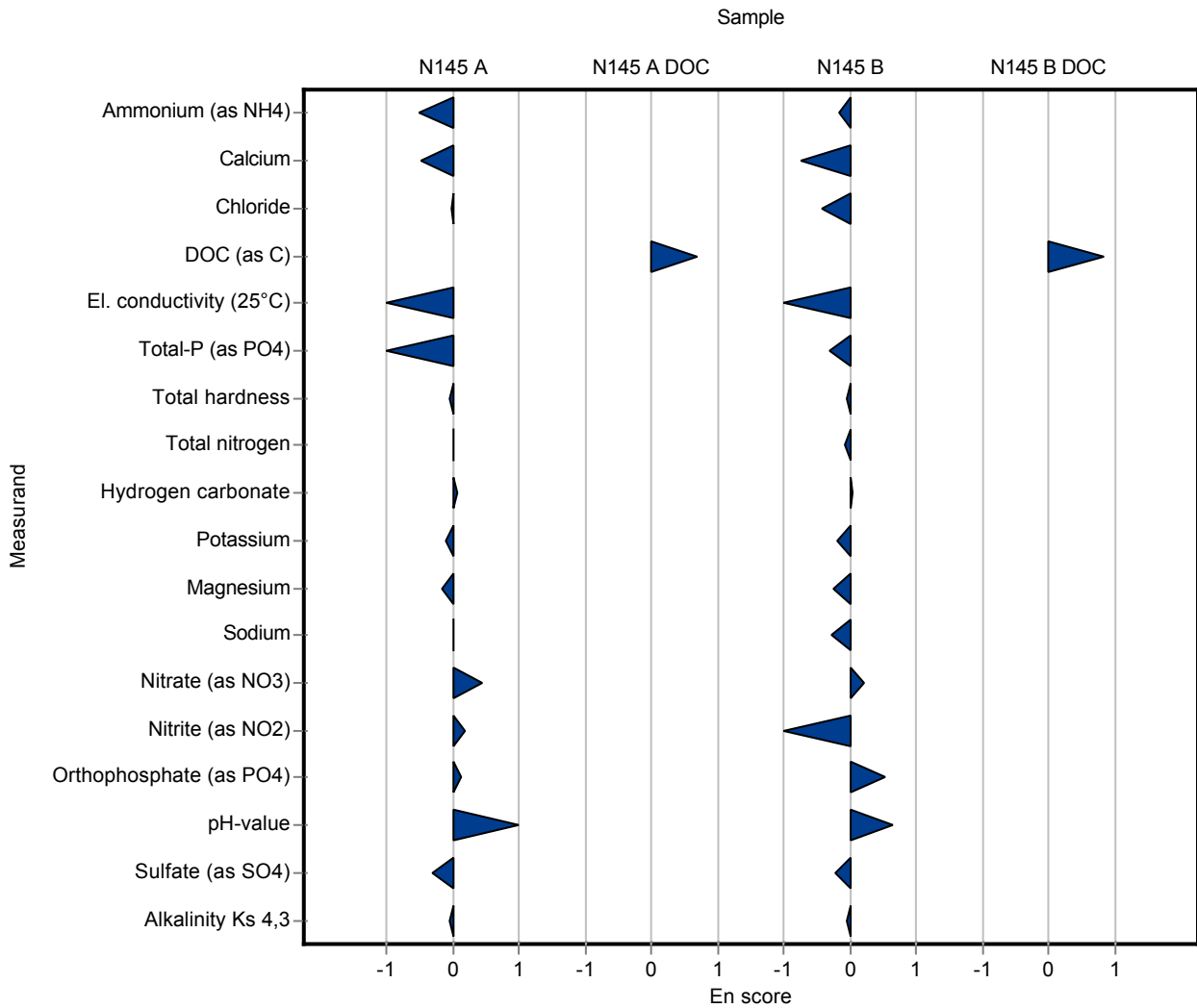
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.088 ± 0.003	0.0143	98.7	-0.16
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	60.86 ± 1.7	2.09	95.9	-0.76
Chloride	mg/l	28.2 ± 0.219	27.98 ± 0.2	1.07	99.3	-0.43
El. conductivity (25°C)	µS/cm	498 ± 1.43	493.9 ± 2	6.48	99.1	-1.04
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.134 ± 0.005	0.0122	97.6	-0.31
Total hardness	mmol/l	2.2 ± 0.0157	2.195 ± 0.1	0.0595	99.6	-0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3 ± 0.2	0.252	98.8	-0.09
Hydrogen carbonate	mg/l	217 ± 1.49	217.2 ± 6.1	4.7	100	0.04
Potassium	mg/l	2.43 ± 0.0361	2.31 ± 0.3	0.121	95.1	-0.20
Magnesium	mg/l	14.6 ± 0.152	14.19 ± 0.8	0.523	97.1	-0.27
Sodium	mg/l	17.4 ± 0.211	16.93 ± 0.8	0.715	97.3	-0.29
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.63 ± 0.4	0.611	101	0.20
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.057 ± 0.002	0.00423	90.4	-1.45
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.125 ± 0.002	0.0111	102	0.52
pH-value	-	8.13 ± 0.0204	8.19 ± 0.05	0.13	101	0.63
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.87 ± 2	1.02	97.1	-0.23
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.561 ± 0.1	0.0725	99.7	-0.06

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.52 ± 0.2	0.21	115	0.83



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.101 ± 0.01	0.0137	118	1.15
Boron	mg/l	0.0212 ± 0.000599	0.04 ± 0.004	0.00212	189	8.87
Calcium	mg/l	61 ± 0.622	62.6 ± 6	2.15	103	0.73
Chloride	mg/l	21.7 ± 0.152	21.1 ± 2	0.825	97.2	-0.74
El. conductivity (25°C)	µS/cm	481 ± 1.57	485 ± 10	6.25	101	0.62
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.695 ± 0.07	0.0577	107	0.80
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.1	0.0618	98.2	-0.65
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	158.6 ± 2	3.36	101	0.43
Potassium	mg/l	1.18 ± 0.028	1.43 ± 0.15	0.094	121	2.69
Magnesium	mg/l	18.2 ± 0.188	20.2 ± 2	0.651	111	3.12
Sodium	mg/l	6.75 ± 0.0891	6.31 ± 0.6	0.292	93.4	-1.52
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.3 ± 3	1.58	97.4	-0.54
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.02	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.237 ± 0.02	0.0162	133	3.61
pH-value	-	7.85 ± 0.0288	7.6 ± 0.2	0.126	96.8	-1.97
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.1 ± 6	1.89	99.9	-0.02
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.1	0.0525	100	-0.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (LOQ) ± -	0.133	-	-

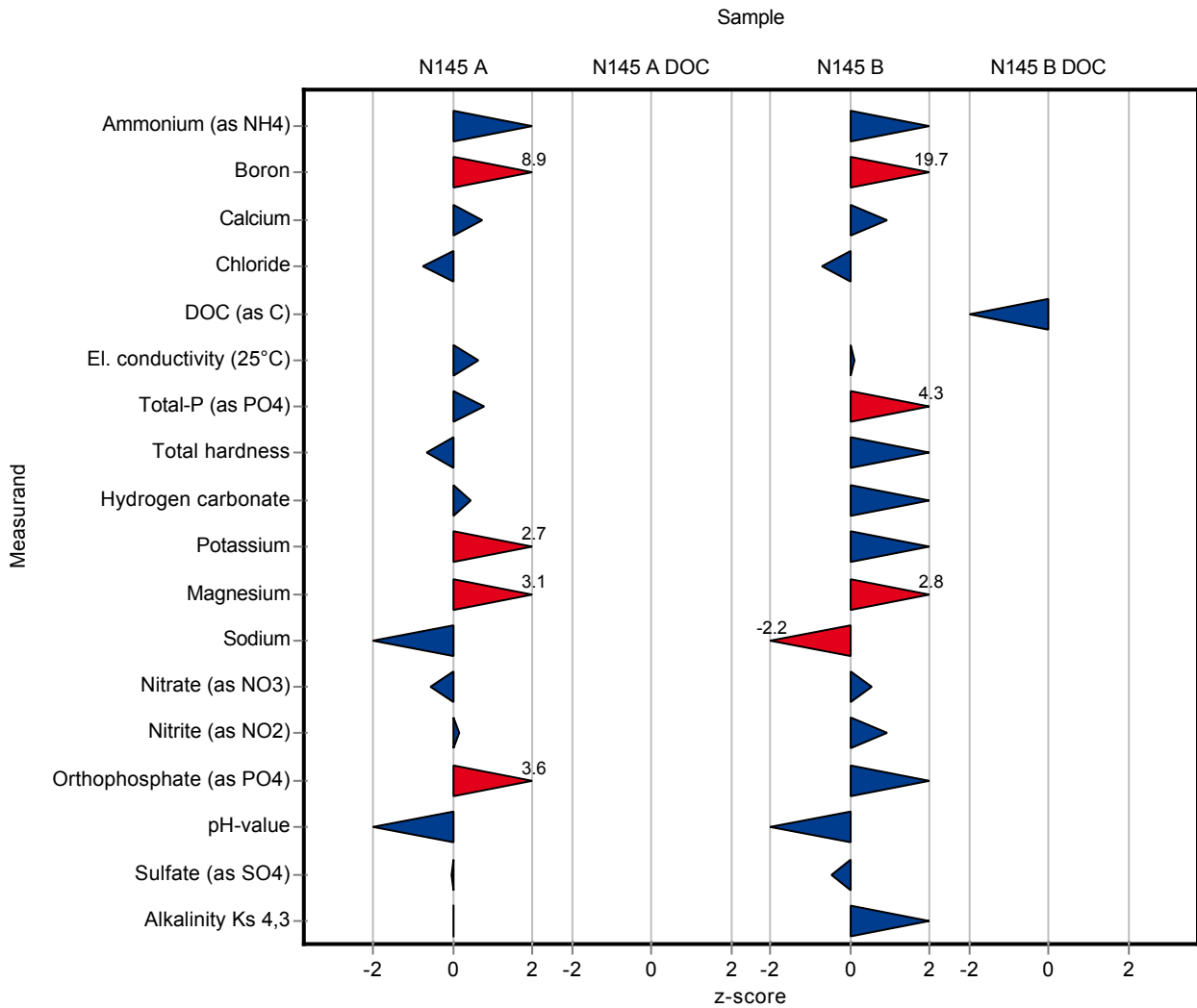
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.115 ± 0.01	0.0143	129	1.81
Boron	mg/l	0.0155 ± 0.000684	0.046 ± 0.005	0.00155	297	19.70
Calcium	mg/l	63.5 ± 0.611	65.4 ± 6	2.09	103	0.92
Chloride	mg/l	28.2 ± 0.219	27.4 ± 3	1.07	97.2	-0.73
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 10	6.48	100	0.11
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.19 ± 0.02	0.0122	138	4.31
Total hardness	mmol/l	2.2 ± 0.0157	2.3 ± 0.1	0.0595	104	1.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	225.8 ± 2	4.7	104	1.93
Potassium	mg/l	2.43 ± 0.0361	2.58 ± 0.3	0.121	106	1.24
Magnesium	mg/l	14.6 ± 0.152	16.1 ± 1.6	0.523	110	2.83
Sodium	mg/l	17.4 ± 0.211	15.8 ± 1.6	0.715	90.8	-2.24
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.8 ± 1.3	0.611	103	0.55
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.067 ± 0.07	0.00423	106	0.93
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.138 ± 0.01	0.0111	113	1.41
pH-value	-	8.13 ± 0.0204	7.89 ± 0.2	0.13	97.1	-1.81
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.3 ± 3	1.02	98.4	-0.47
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.7 ± 0.1	0.0725	104	1.75

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.83 ± 0.2	0.21	83.8	-1.68



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.101 ± 0.01	0.0137	118	0.78
Boron	mg/l	0.0212 ± 0.000599	0.04 ± 0.004	0.00212	189	2.34
Calcium	mg/l	61 ± 0.622	62.6 ± 6	2.15	103	0.13
Chloride	mg/l	21.7 ± 0.152	21.1 ± 2	0.825	97.2	-0.15
El. conductivity (25°C)	µS/cm	481 ± 1.57	485 ± 10	6.25	101	0.19
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.695 ± 0.07	0.0577	107	0.33
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.1	0.0618	98.2	-0.20
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	158.6 ± 2	3.36	101	0.35
Potassium	mg/l	1.18 ± 0.028	1.43 ± 0.15	0.094	121	0.84
Magnesium	mg/l	18.2 ± 0.188	20.2 ± 2	0.651	111	0.51
Sodium	mg/l	6.75 ± 0.0891	6.31 ± 0.6	0.292	93.4	-0.37
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.3 ± 3	1.58	97.4	-0.14
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.02	0.00998	101	0.04
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.237 ± 0.02	0.0162	133	1.46
pH-value	-	7.85 ± 0.0288	7.6 ± 0.2	0.126	96.8	-0.62
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.1 ± 6	1.89	99.9	0.00
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.1	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (LOQ) ± -	0.133	-	-

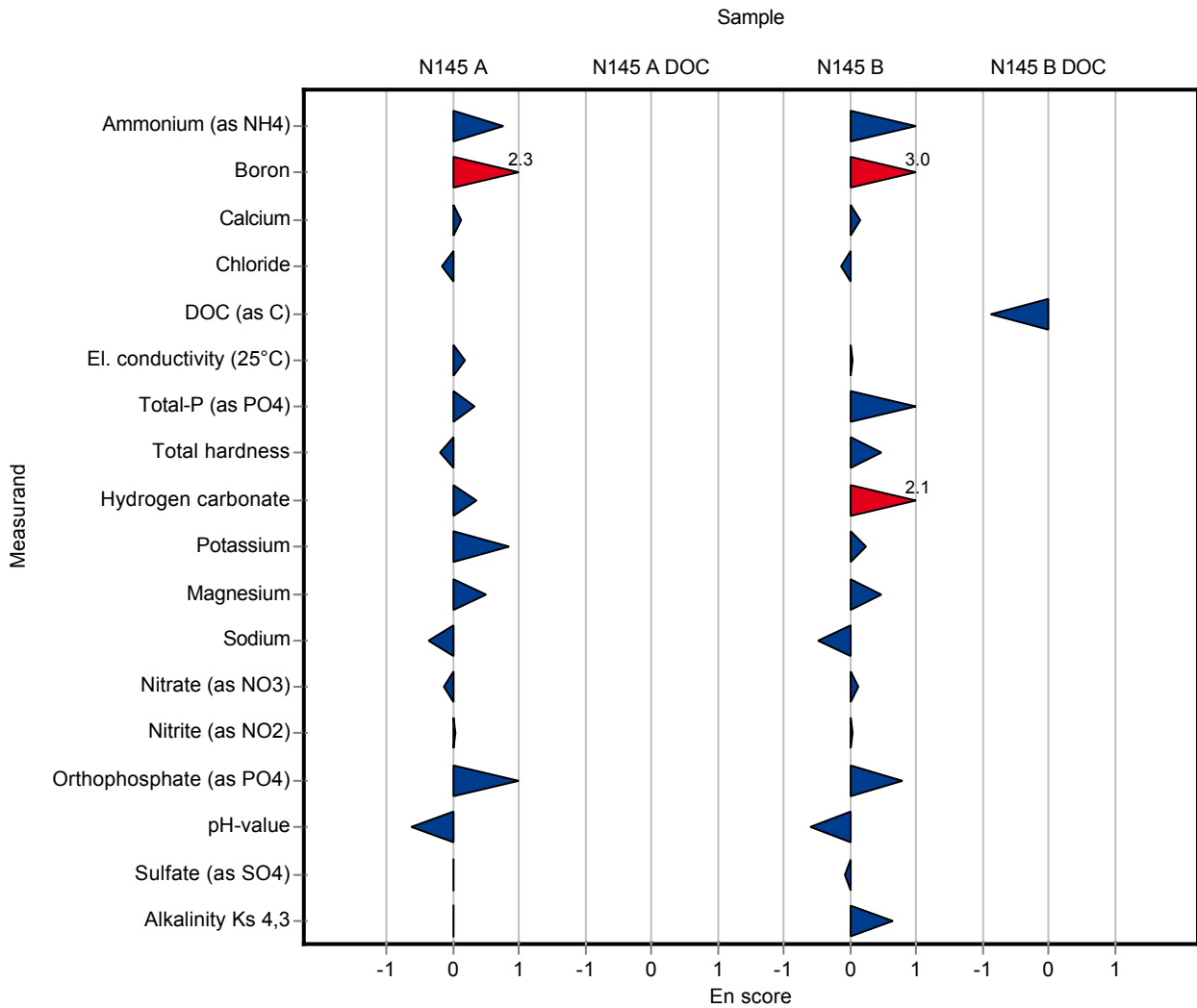
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.115 ± 0.01	0.0143	129	1.27
Boron	mg/l	0.0155 ± 0.000684	0.046 ± 0.005	0.00155	297	3.04
Calcium	mg/l	63.5 ± 0.611	65.4 ± 6	2.09	103	0.16
Chloride	mg/l	28.2 ± 0.219	27.4 ± 3	1.07	97.2	-0.13
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± 10	6.48	100	0.04
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.19 ± 0.02	0.0122	138	1.31
Total hardness	mmol/l	2.2 ± 0.0157	2.3 ± 0.1	0.0595	104	0.48

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	225.8 ± 2	4.7	104	2.12
Potassium	mg/l	2.43 ± 0.0361	2.58 ± 0.3	0.121	106	0.25
Magnesium	mg/l	14.6 ± 0.152	16.1 ± 1.6	0.523	110	0.46
Sodium	mg/l	17.4 ± 0.211	15.8 ± 1.6	0.715	90.8	-0.50
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.8 ± 1.3	0.611	103	0.13
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.067 ± 0.07	0.00423	106	0.03
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.138 ± 0.01	0.0111	113	0.77
pH-value	-	8.13 ± 0.0204	7.89 ± 0.2	0.13	97.1	-0.59
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.3 ± 3	1.02	98.4	-0.08
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.7 ± 0.1	0.0725	104	0.63

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.83 ± 0.2	0.21	83.8	-0.87



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0767 ± 0.0108	0.0137	89.9	-0.63
Boron	mg/l	0.0212 ± 0.000599	<0.05 (LOQ) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	58.7 ± 5.85	2.15	96.2	-1.08
Chloride	mg/l	21.7 ± 0.152	21.5 ± 0.839	0.825	99	-0.26
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 28	6.25	100	0.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.603 ± 0.1	0.0577	93	-0.79
Total hardness	mmol/l	2.29 ± 0.0172	2.16 ± 0.216	0.0618	94.3	-2.11
Total nitrogen	mg/l	7.48 ± 0.238	8.81 ± 1.59	0.628	118	2.12
Hydrogen carbonate	mg/l	157 ± 1.09	161 ± 6.76	3.36	102	1.15
Potassium	mg/l	1.18 ± 0.028	1.29 ± 0.203	0.094	110	1.20
Magnesium	mg/l	18.2 ± 0.188	16.9 ± 1.69	0.651	93	-1.96
Sodium	mg/l	6.75 ± 0.0891	7.24 ± 1	0.292	107	1.66
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.1 ± 1.83	1.58	99.8	-0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.0237	0.00998	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.164 ± 0.0259	0.0162	92	-0.88
pH-value	-	7.85 ± 0.0288	7.53 ± 0.16	0.126	96	-2.53
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.3 ± 3.04	1.89	100	0.09
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.1109	0.0525	102	0.76

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.17 ± 0.67	0.133	202	4.42

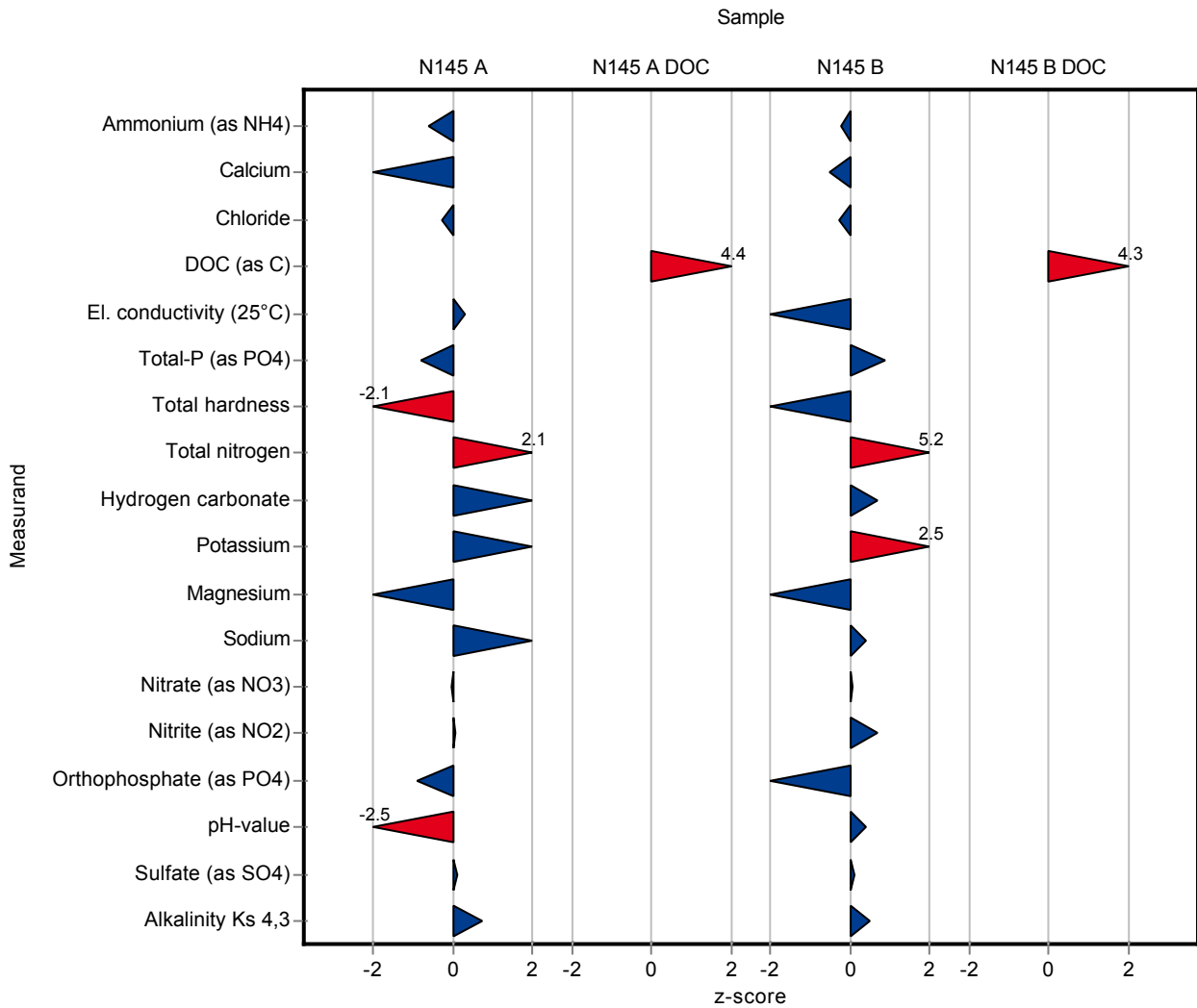
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0861 ± 0.0121	0.0143	96.6	-0.21
Boron	mg/l	0.0155 ± 0.000684	<0.05 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.4 ± 6.21	2.09	98.3	-0.52
Chloride	mg/l	28.2 ± 0.219	27.9 ± 1.09	1.07	99	-0.26
El. conductivity (25°C)	µS/cm	498 ± 1.43	488 ± 28.3	6.48	97.9	-1.59
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.148 ± 0.0245	0.0122	108	0.88
Total hardness	mmol/l	2.2 ± 0.0157	2.12 ± 0.212	0.0595	96.2	-1.40

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	4.34 ± 0.781	0.252	143	5.17
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 9.25	4.7	102	0.69
Potassium	mg/l	2.43 ± 0.0361	2.73 ± 0.428	0.121	112	2.48
Magnesium	mg/l	14.6 ± 0.152	13.7 ± 1.37	0.523	93.7	-1.76
Sodium	mg/l	17.4 ± 0.211	17.7 ± 2.1	0.715	102	0.41
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.711	0.611	100	0.06
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.066 ± 0.0083	0.00423	105	0.69
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.109 ± 0.0172	0.0111	89.1	-1.19
pH-value	-	8.13 ± 0.0204	8.18 ± 0.16	0.13	101	0.42
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.9 ± 1.64	1.02	100	0.12
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.61 ± 0.152	0.0725	101	0.51

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	3.09 ± 0.67	0.21	142	4.33



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0767 ± 0.0108	0.0137	89.9	-0.40
Boron	mg/l	0.0212 ± 0.000599	<0.05 (LOQ) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	58.7 ± 5.85	2.15	96.2	-0.20
Chloride	mg/l	21.7 ± 0.152	21.5 ± 0.839	0.825	99	-0.13
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 28	6.25	100	0.03
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.603 ± 0.1	0.0577	93	-0.23
Total hardness	mmol/l	2.29 ± 0.0172	2.16 ± 0.216	0.0618	94.3	-0.30
Total nitrogen	mg/l	7.48 ± 0.238	8.81 ± 1.59	0.628	118	0.42
Hydrogen carbonate	mg/l	157 ± 1.09	161 ± 6.76	3.36	102	0.28
Potassium	mg/l	1.18 ± 0.028	1.29 ± 0.203	0.094	110	0.28
Magnesium	mg/l	18.2 ± 0.188	16.9 ± 1.69	0.651	93	-0.38
Sodium	mg/l	6.75 ± 0.0891	7.24 ± 1	0.292	107	0.24
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.1 ± 1.83	1.58	99.8	-0.01
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.0237	0.00998	100	0.02
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.164 ± 0.0259	0.0162	92	-0.28
pH-value	-	7.85 ± 0.0288	7.53 ± 0.16	0.126	96	-0.99
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.3 ± 3.04	1.89	100	0.03
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.64 ± 0.1109	0.0525	102	0.18

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	1.17 ± 0.67	0.133	202	0.44

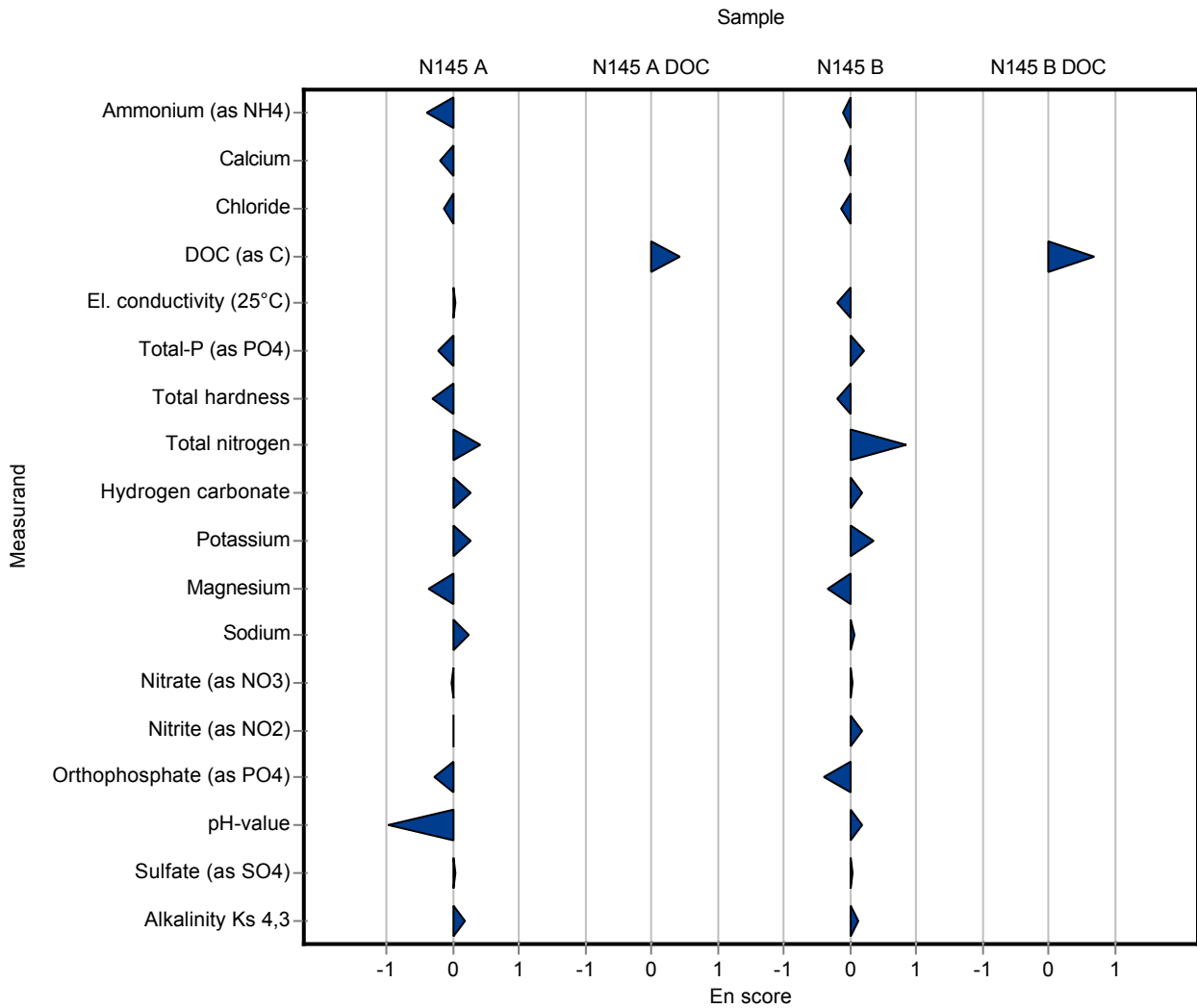
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0861 ± 0.0121	0.0143	96.6	-0.12
Boron	mg/l	0.0155 ± 0.000684	<0.05 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.4 ± 6.21	2.09	98.3	-0.09
Chloride	mg/l	28.2 ± 0.219	27.9 ± 1.09	1.07	99	-0.13
El. conductivity (25°C)	µS/cm	498 ± 1.43	488 ± 28.3	6.48	97.9	-0.18
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.148 ± 0.0245	0.0122	108	0.22
Total hardness	mmol/l	2.2 ± 0.0157	2.12 ± 0.212	0.0595	96.2	-0.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	4.34 ± 0.781	0.252	143	0.83
Hydrogen carbonate	mg/l	217 ± 1.49	220 ± 9.25	4.7	102	0.18
Potassium	mg/l	2.43 ± 0.0361	2.73 ± 0.428	0.121	112	0.35
Magnesium	mg/l	14.6 ± 0.152	13.7 ± 1.37	0.523	93.7	-0.34
Sodium	mg/l	17.4 ± 0.211	17.7 ± 2.1	0.715	102	0.07
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.711	0.611	100	0.03
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.066 ± 0.0083	0.00423	105	0.18
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.109 ± 0.0172	0.0111	89.1	-0.39
pH-value	-	8.13 ± 0.0204	8.18 ± 0.16	0.13	101	0.17
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.9 ± 1.64	1.02	100	0.04
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.61 ± 0.152	0.0725	101	0.12

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	3.09 ± 0.67	0.21	142	0.68



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	62.3 ± 3.21	2.15	102	0.59
Chloride	mg/l	21.7 ± 0.152	21.4 ± 0.51	0.825	98.6	-0.38
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 9.95	6.25	100	0.30
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.265 ± 0.258	0.0618	98.9	-0.41
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	139.72 ± 1.41	3.36	88.9	-5.18
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	17.25 ± 1.96	0.651	94.9	-1.42
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.82 ± 0.078	0.126	99.6	-0.22
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	60.5 ± 7.02	1.89	106	1.79
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.34 ± 0.024	0.0525	90	-4.96

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

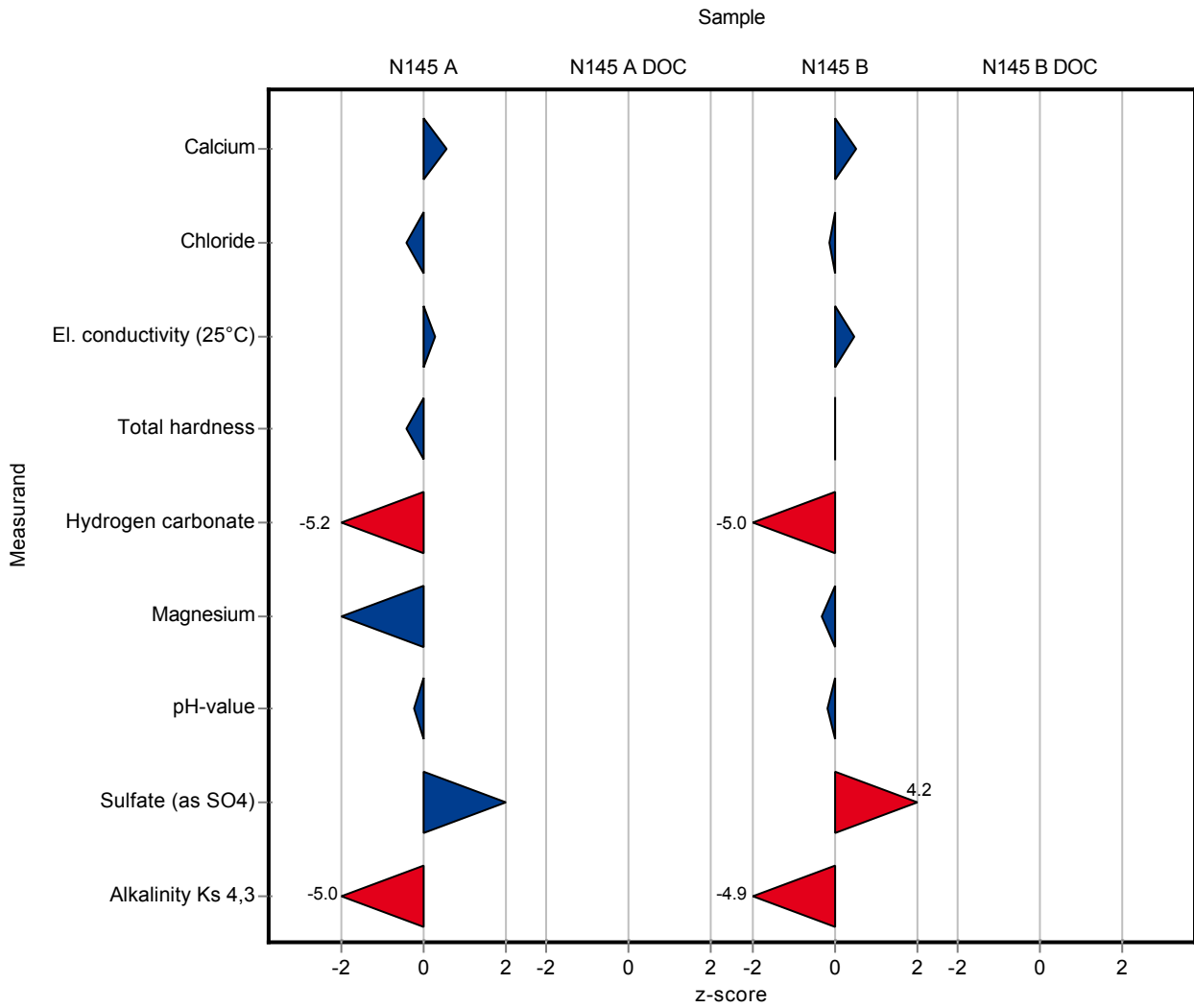
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	64.55 ± 3.32	2.09	102	0.51
Chloride	mg/l	28.2 ± 0.219	28.05 ± 0.66	1.07	99.5	-0.12
El. conductivity (25°C)	µS/cm	498 ± 1.43	501.5 ± 10.3	6.48	101	0.49
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.205 ± 0.251	0.0595	100	0.03

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	193.28 ± 2.05	4.7	89.2	-4.99
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	14.45 ± 1.64	0.523	98.8	-0.32
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.105 ± 0.086	0.13	99.7	-0.16
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	35 ± 4.06	1.02	114	4.16
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.215 ± 0.034	0.0725	90	-4.94

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	62.3 ± 3.21	2.15	102	0.20
Chloride	mg/l	21.7 ± 0.152	21.4 ± 0.51	0.825	98.6	-0.30
El. conductivity (25°C)	µS/cm	481 ± 1.57	483 ± 9.95	6.25	100	0.09
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.265 ± 0.258	0.0618	98.9	-0.05
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	139.72 ± 1.41	3.36	88.9	-5.76
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	17.25 ± 1.96	0.651	94.9	-0.23
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.82 ± 0.078	0.126	99.6	-0.17
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	60.5 ± 7.02	1.89	106	0.24
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.34 ± 0.024	0.0525	90	-5.19

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

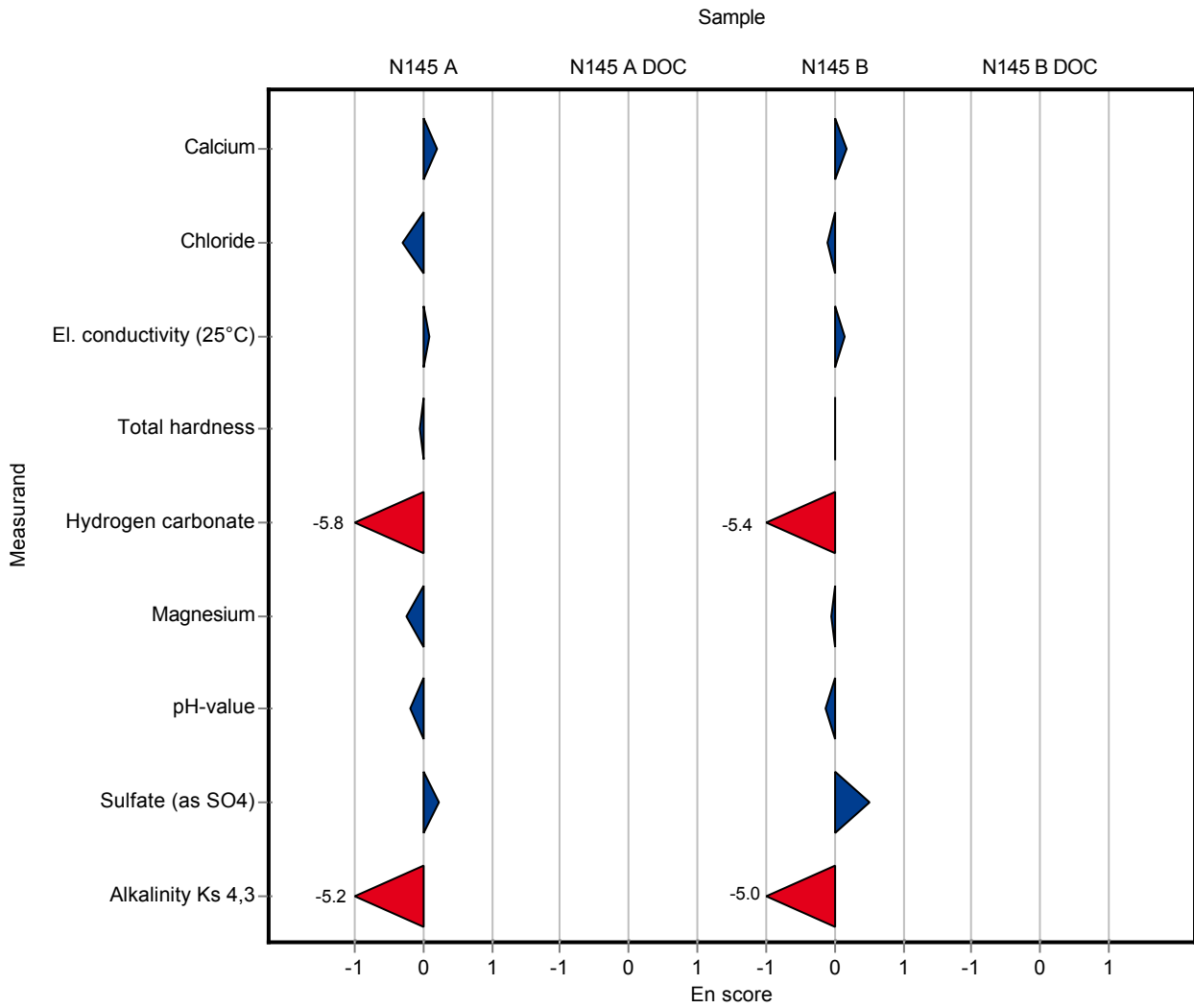
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	64.55 ± 3.32	2.09	102	0.16
Chloride	mg/l	28.2 ± 0.219	28.05 ± 0.66	1.07	99.5	-0.10
El. conductivity (25°C)	µS/cm	498 ± 1.43	501.5 ± 10.3	6.48	101	0.15
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.205 ± 0.251	0.0595	100	0.00

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	193.28 ± 2.05	4.7	89.2	-5.38
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	14.45 ± 1.64	0.523	98.8	-0.05
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.105 ± 0.086	0.13	99.7	-0.12
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	35 ± 4.06	1.02	114	0.52
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.215 ± 0.034	0.0725	90	-5.05

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.082 ± 0.004	0.0137	96.1	-0.25
Boron	mg/l	0.0212 ± 0.000599	0.029 ± 0.003	0.00212	137	3.68
Calcium	mg/l	61 ± 0.622	61.3 ± 1.14	2.15	100	0.12
Chloride	mg/l	21.7 ± 0.152	21.2 ± 0.48	0.825	97.6	-0.62
El. conductivity (25°C)	µS/cm	481 ± 1.57	472 ± 7.92	6.25	98.1	-1.46
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.64 ± 0.06	0.0577	98.7	-0.15
Total hardness	mmol/l	2.29 ± 0.0172	2.29 ± 0.05	0.0618	100	-0.01
Total nitrogen	mg/l	7.48 ± 0.238	7.56 ± 0.419	0.628	101	0.13
Hydrogen carbonate	mg/l	157 ± 1.09	159 ± 0.95	3.36	101	0.55
Potassium	mg/l	1.18 ± 0.028	1.16 ± 0.04	0.094	98.5	-0.18
Magnesium	mg/l	18.2 ± 0.188	18.4 ± 0.98	0.651	101	0.35
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.16	0.292	101	0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33 ± 0.84	1.58	103	0.54
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.01	0.00998	101	0.17
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.18 ± 0.015	0.0162	101	0.10
pH-value	-	7.85 ± 0.0288	7.84 ± 0.011	0.126	99.9	-0.06
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	58 ± 1.48	1.89	102	0.46
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.65 ± 0.02	0.0525	102	0.95

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.45 ± 0.04	0.133	77.6	-0.97

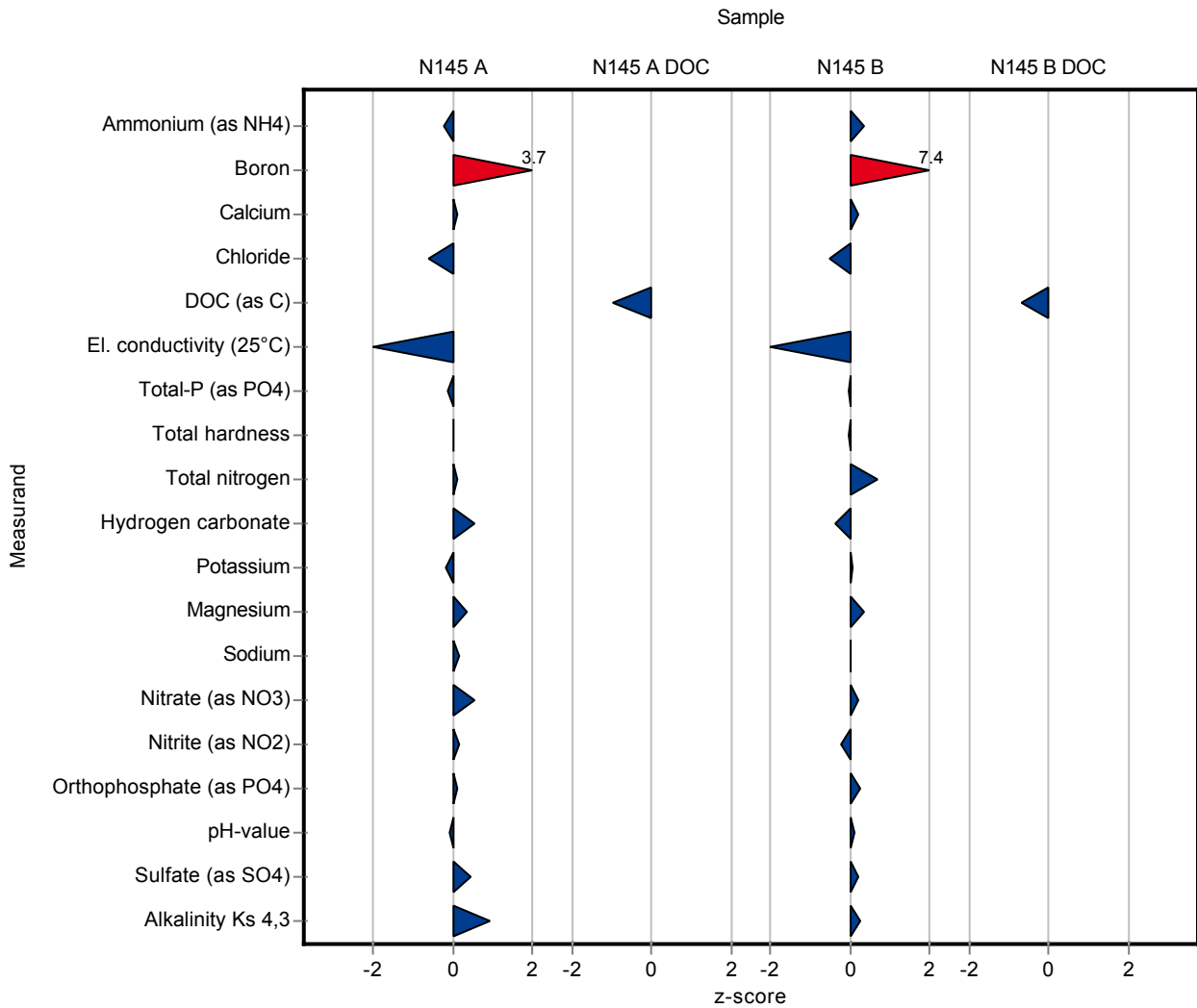
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.094 ± 0.005	0.0143	105	0.34
Boron	mg/l	0.0155 ± 0.000684	0.027 ± 0.003	0.00155	174	7.42
Calcium	mg/l	63.5 ± 0.611	63.9 ± 1.19	2.09	101	0.20
Chloride	mg/l	28.2 ± 0.219	27.6 ± 0.63	1.07	98	-0.54
El. conductivity (25°C)	µS/cm	498 ± 1.43	491 ± 8.24	6.48	98.5	-1.13
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.137 ± 0.013	0.0122	99.8	-0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.04	0.0595	99.8	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.21 ± 0.178	0.252	106	0.69
Hydrogen carbonate	mg/l	217 ± 1.49	215 ± 1.29	4.7	99.2	-0.37
Potassium	mg/l	2.43 ± 0.0361	2.44 ± 0.084	0.121	100	0.08
Magnesium	mg/l	14.6 ± 0.152	14.8 ± 0.79	0.523	101	0.34
Sodium	mg/l	17.4 ± 0.211	17.4 ± 0.4	0.715	100	-0.01
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.32	0.611	101	0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.062 ± 0.003	0.00423	98.3	-0.25
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.125 ± 0.01	0.0111	102	0.24
pH-value	-	8.13 ± 0.0204	8.14 ± 0.012	0.13	100	0.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31 ± 0.8	1.02	101	0.22
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.02	0.0725	100	0.23

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.04 ± 0.18	0.21	93.5	-0.68



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.082 ± 0.004	0.0137	96.1	-0.40
Boron	mg/l	0.0212 ± 0.000599	0.029 ± 0.003	0.00212	137	1.29
Calcium	mg/l	61 ± 0.622	61.3 ± 1.14	2.15	100	0.11
Chloride	mg/l	21.7 ± 0.152	21.2 ± 0.48	0.825	97.6	-0.53
El. conductivity (25°C)	µS/cm	481 ± 1.57	472 ± 7.92	6.25	98.1	-0.57
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.64 ± 0.06	0.0577	98.7	-0.07
Total hardness	mmol/l	2.29 ± 0.0172	2.29 ± 0.05	0.0618	100	0.00
Total nitrogen	mg/l	7.48 ± 0.238	7.56 ± 0.419	0.628	101	0.09
Hydrogen carbonate	mg/l	157 ± 1.09	159 ± 0.95	3.36	101	0.85
Potassium	mg/l	1.18 ± 0.028	1.16 ± 0.04	0.094	98.5	-0.21
Magnesium	mg/l	18.2 ± 0.188	18.4 ± 0.98	0.651	101	0.12
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.16	0.292	101	0.14
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33 ± 0.84	1.58	103	0.50
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.19 ± 0.01	0.00998	101	0.09
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.18 ± 0.015	0.0162	101	0.06
pH-value	-	7.85 ± 0.0288	7.84 ± 0.011	0.126	99.9	-0.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	58 ± 1.48	1.89	102	0.29
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.65 ± 0.02	0.0525	102	1.17

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.45 ± 0.04	0.133	77.6	-1.40

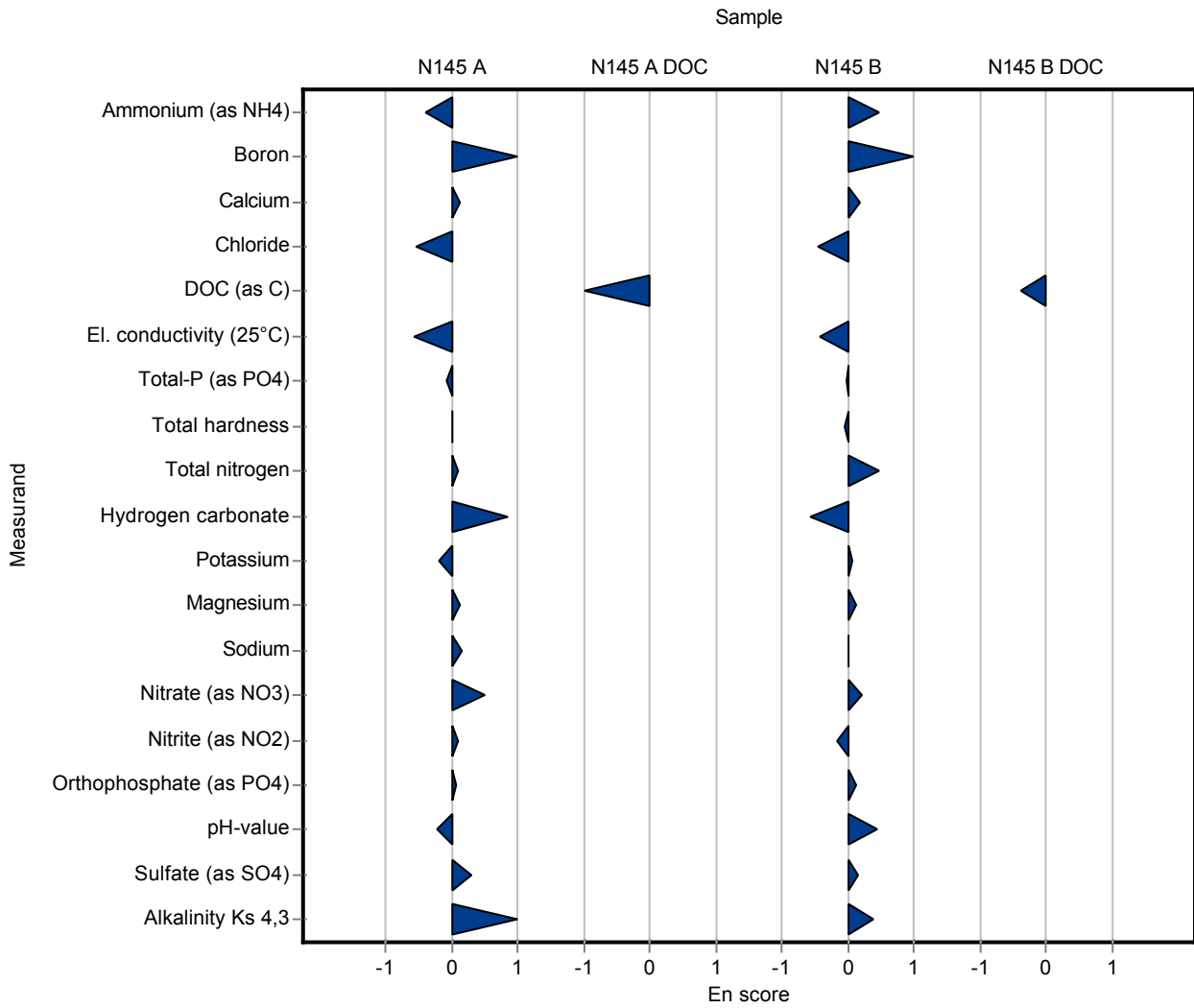
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.094 ± 0.005	0.0143	105	0.46
Boron	mg/l	0.0155 ± 0.000684	0.027 ± 0.003	0.00155	174	1.90
Calcium	mg/l	63.5 ± 0.611	63.9 ± 1.19	2.09	101	0.17
Chloride	mg/l	28.2 ± 0.219	27.6 ± 0.63	1.07	98	-0.45
El. conductivity (25°C)	µS/cm	498 ± 1.43	491 ± 8.24	6.48	98.5	-0.44
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.137 ± 0.013	0.0122	99.8	-0.01
Total hardness	mmol/l	2.2 ± 0.0157	2.2 ± 0.04	0.0595	99.8	-0.04

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.21 ± 0.178	0.252	106	0.47
Hydrogen carbonate	mg/l	217 ± 1.49	215 ± 1.29	4.7	99.2	-0.58
Potassium	mg/l	2.43 ± 0.0361	2.44 ± 0.084	0.121	100	0.06
Magnesium	mg/l	14.6 ± 0.152	14.8 ± 0.79	0.523	101	0.11
Sodium	mg/l	17.4 ± 0.211	17.4 ± 0.4	0.715	100	-0.01
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.32	0.611	101	0.21
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.062 ± 0.003	0.00423	98.3	-0.17
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.125 ± 0.01	0.0111	102	0.13
pH-value	-	8.13 ± 0.0204	8.14 ± 0.012	0.13	100	0.45
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31 ± 0.8	1.02	101	0.14
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.02	0.0725	100	0.38

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.04 ± 0.18	0.21	93.5	-0.39



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.35 ± 5	2.15	104	1.07
Chloride	mg/l	21.7 ± 0.152	22.75 ± 1	0.825	105	1.26
El. conductivity (25°C)	µS/cm	481 ± 1.57	481.5 ± 2	6.25	100	0.06
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.4 ± 0.53	0.0618	105	1.77
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	20.05 ± 2.5	0.651	110	2.89
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 3.62	1.58	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.89 ± 0.1	0.126	101	0.34
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	60.7 ± 5	1.89	106	1.89
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

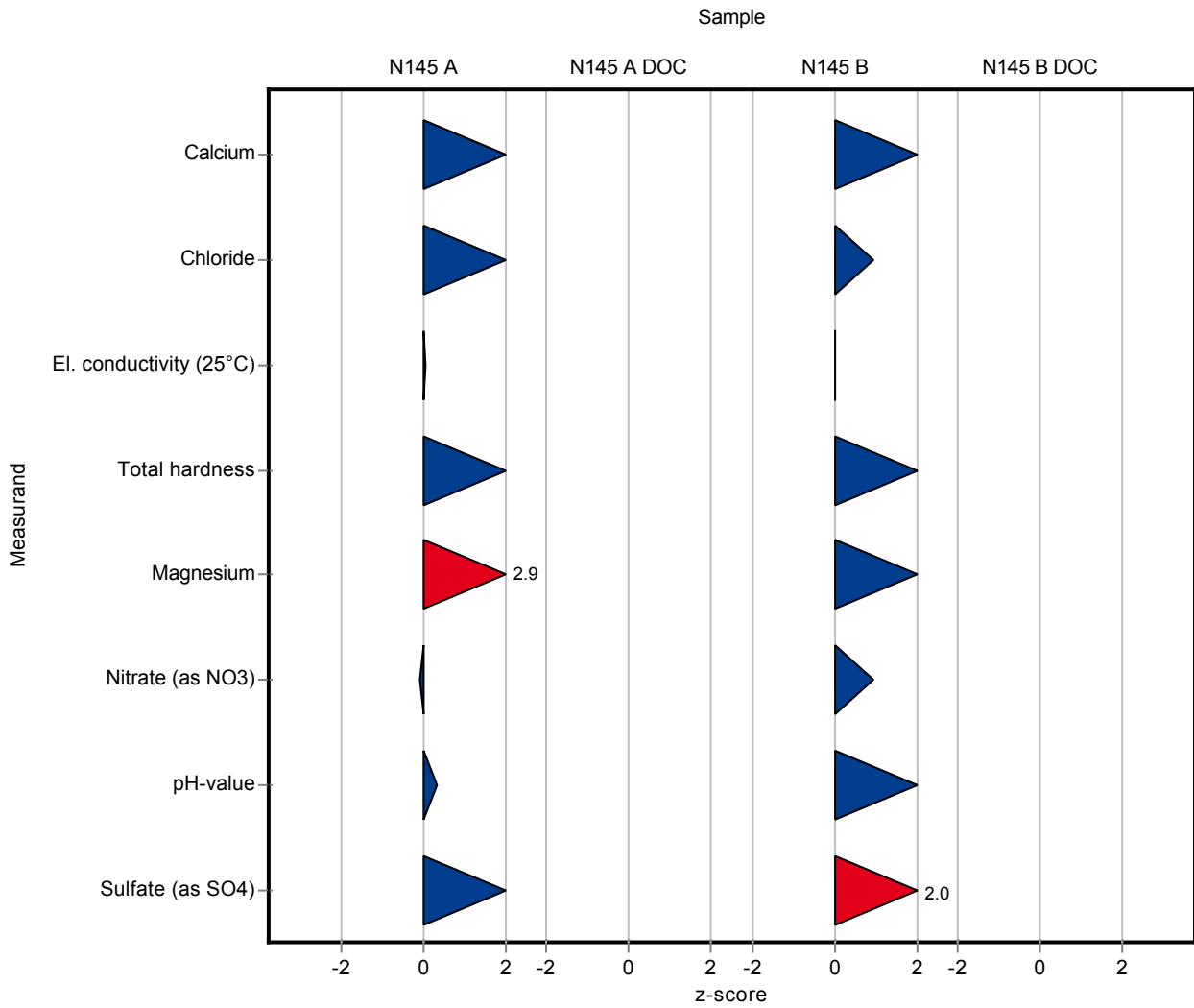
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66.05 ± 5	2.09	104	1.23
Chloride	mg/l	28.2 ± 0.219	29.2 ± 1	1.07	104	0.95
El. conductivity (25°C)	µS/cm	498 ± 1.43	498.5 ± 2	6.48	100	0.03
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.3 ± 0.53	0.0595	104	1.62

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	15.58 ± 2.5	0.523	107	1.83
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13.03 ± 0.8	0.611	105	0.93
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.27 ± 0.1	0.13	102	1.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.85 ± 5	1.02	107	2.04
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.35 ± 5	2.15	104	0.23
Chloride	mg/l	21.7 ± 0.152	22.75 ± 1	0.825	105	0.52
El. conductivity (25°C)	µS/cm	481 ± 1.57	481.5 ± 2	6.25	100	0.09
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.4 ± 0.53	0.0618	105	0.10
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	20.05 ± 2.5	0.651	110	0.38
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 3.62	1.58	99.5	-0.02
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.89 ± 0.1	0.126	101	0.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	60.7 ± 5	1.89	106	0.36
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

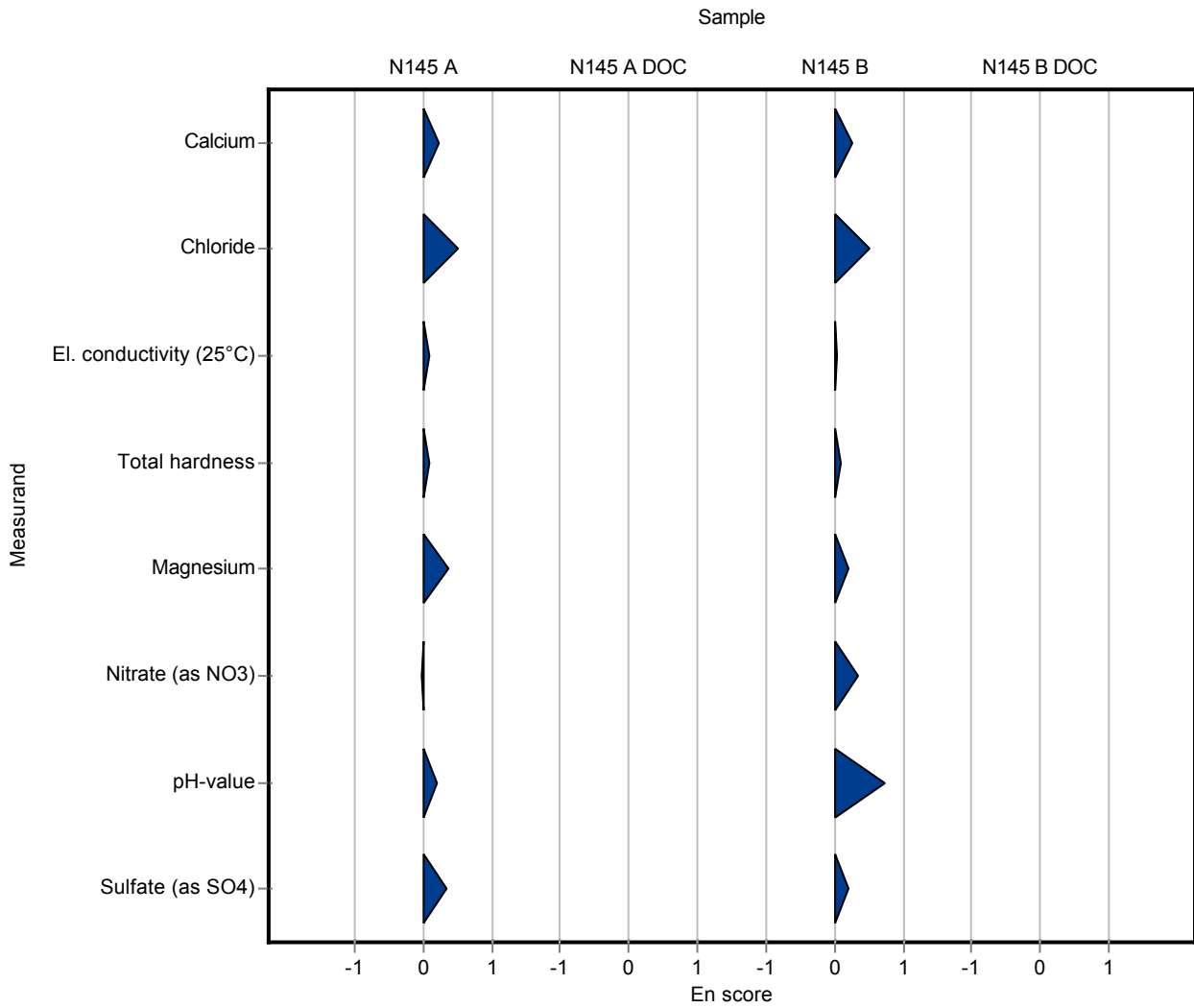
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66.05 ± 5	2.09	104	0.26
Chloride	mg/l	28.2 ± 0.219	29.2 ± 1	1.07	104	0.51
El. conductivity (25°C)	µS/cm	498 ± 1.43	498.5 ± 2	6.48	100	0.05
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.3 ± 0.53	0.0595	104	0.09

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	15.58 ± 2.5	0.523	107	0.19
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13.03 ± 0.8	0.611	105	0.35
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.27 ± 0.1	0.13	102	0.72
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32.85 ± 5	1.02	107	0.21
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.33 ± 0.36	2.15	104	1.06
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.381 ± 0.014	0.0618	104	1.47
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	153.6 ± 0.442	3.36	97.7	-1.05
Potassium	mg/l	1.18 ± 0.028	1.208 ± 0.48	0.094	103	0.33
Magnesium	mg/l	18.2 ± 0.188	19.47 ± 0.26	0.651	107	2.00
Sodium	mg/l	6.75 ± 0.0891	7.107 ± 0.19	0.292	105	1.21
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.1787 ± 0.0023	0.0162	100	0.02
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.517 ± 0.0072	0.0525	96.8	-1.59

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<0.5 (BG) ± -	0.133	-	-

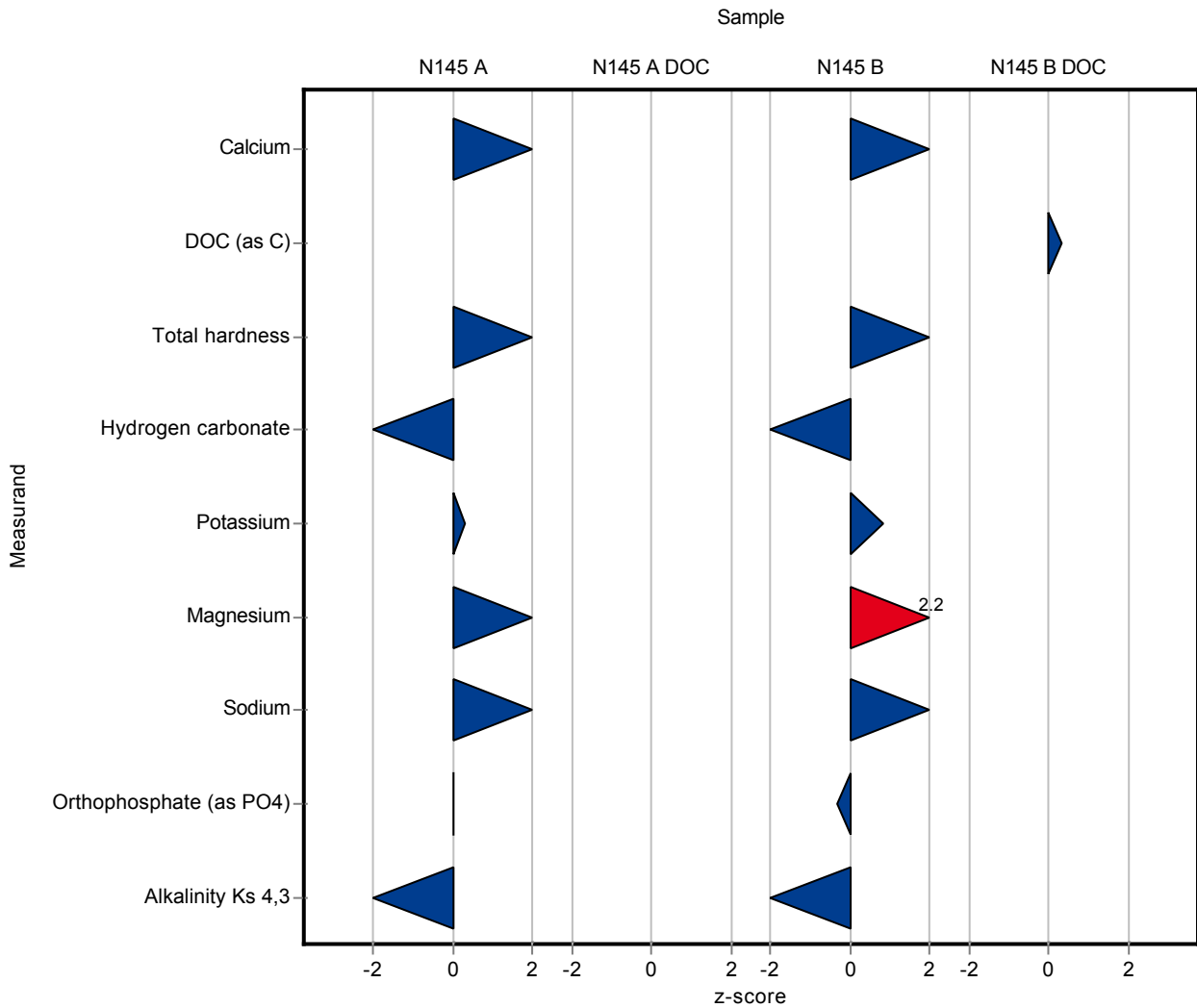
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66.87 ± 0.36	2.09	105	1.62
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.317 ± 0.014	0.0595	105	1.91

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	212 ± 0.292	4.7	97.8	-1.01
Potassium	mg/l	2.43 ± 0.0361	2.529 ± 0.48	0.121	104	0.82
Magnesium	mg/l	14.6 ± 0.152	15.77 ± 0.26	0.523	108	2.20
Sodium	mg/l	17.4 ± 0.211	18.37 ± 0.19	0.715	106	1.35
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1189 ± 0.0013	0.0111	97.2	-0.30
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.475 ± 0.0048	0.0725	97.3	-1.35

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.25 ± 0.15	0.21	103	0.32



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	63.33 ± 0.36	2.15	104	2.41
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.381 ± 0.014	0.0618	104	2.76
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	153.6 ± 0.442	3.36	97.7	-2.53
Potassium	mg/l	1.18 ± 0.028	1.208 ± 0.48	0.094	103	0.03
Magnesium	mg/l	18.2 ± 0.188	19.47 ± 0.26	0.651	107	2.35
Sodium	mg/l	6.75 ± 0.0891	7.107 ± 0.19	0.292	105	0.91
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.1787 ± 0.0023	0.0162	100	0.06
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.517 ± 0.0072	0.0525	96.8	-4.07

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<0.5 (LOQ) ± -	0.133	-	-

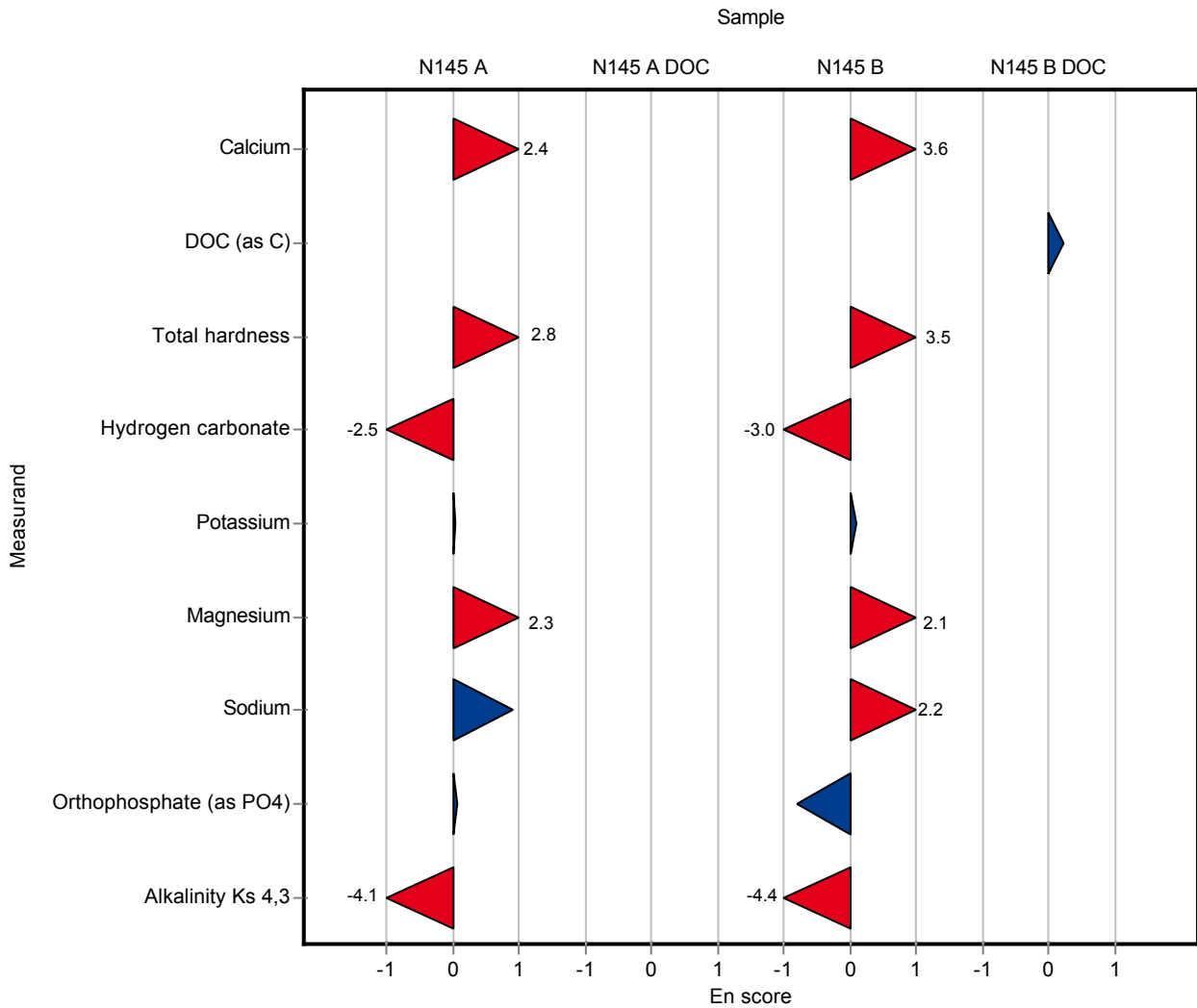
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66.87 ± 0.36	2.09	105	3.59
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.317 ± 0.014	0.0595	105	3.54

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	212 ± 0.292	4.7	97.8	-2.97
Potassium	mg/l	2.43 ± 0.0361	2.529 ± 0.48	0.121	104	0.10
Magnesium	mg/l	14.6 ± 0.152	15.77 ± 0.26	0.523	108	2.12
Sodium	mg/l	17.4 ± 0.211	18.37 ± 0.19	0.715	106	2.22
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1189 ± 0.0013	0.0111	97.2	-0.80
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.475 ± 0.0048	0.0725	97.3	-4.40

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.25 ± 0.15	0.21	103	0.22



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.084 ± 0.003	0.0137	98.4	-0.10
Boron	mg/l	0.0212 ± 0.000599	0.0213 ± 0.0006	0.00212	100	0.05
Calcium	mg/l	61 ± 0.622	60.94 ± 1.59	2.15	99.8	-0.04
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.34	0.825	101	0.23
El. conductivity (25°C)	µS/cm	481 ± 1.57	497.5 ± 2.15	6.25	103	2.62
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.22 ± 0.009	0.0577	33.9	-7.43
Total hardness	mmol/l	2.29 ± 0.0172	2.5 ± 0.1	0.0618	109	3.39
Total nitrogen	mg/l	7.48 ± 0.238	7.74 ± 0.22	0.628	103	0.41
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.08 ± 0.05	0.094	91.7	-1.04
Magnesium	mg/l	18.2 ± 0.188	18.17 ± 0.3	0.651	100	0.00
Sodium	mg/l	6.75 ± 0.0891	6.91 ± 0.04	0.292	102	0.54
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.81 ± 0.52	1.58	102	0.42
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.025	0.00998	100	0.07
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.189 ± 0.0245	0.0162	106	0.66
pH-value	-	7.85 ± 0.0288	7.61 ± 0.11	0.126	97	-1.89
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.63 ± 0.93	1.89	97.4	-0.80
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.02	0.0525	99.2	-0.39

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (LOQ) ± -	0.133	-	-

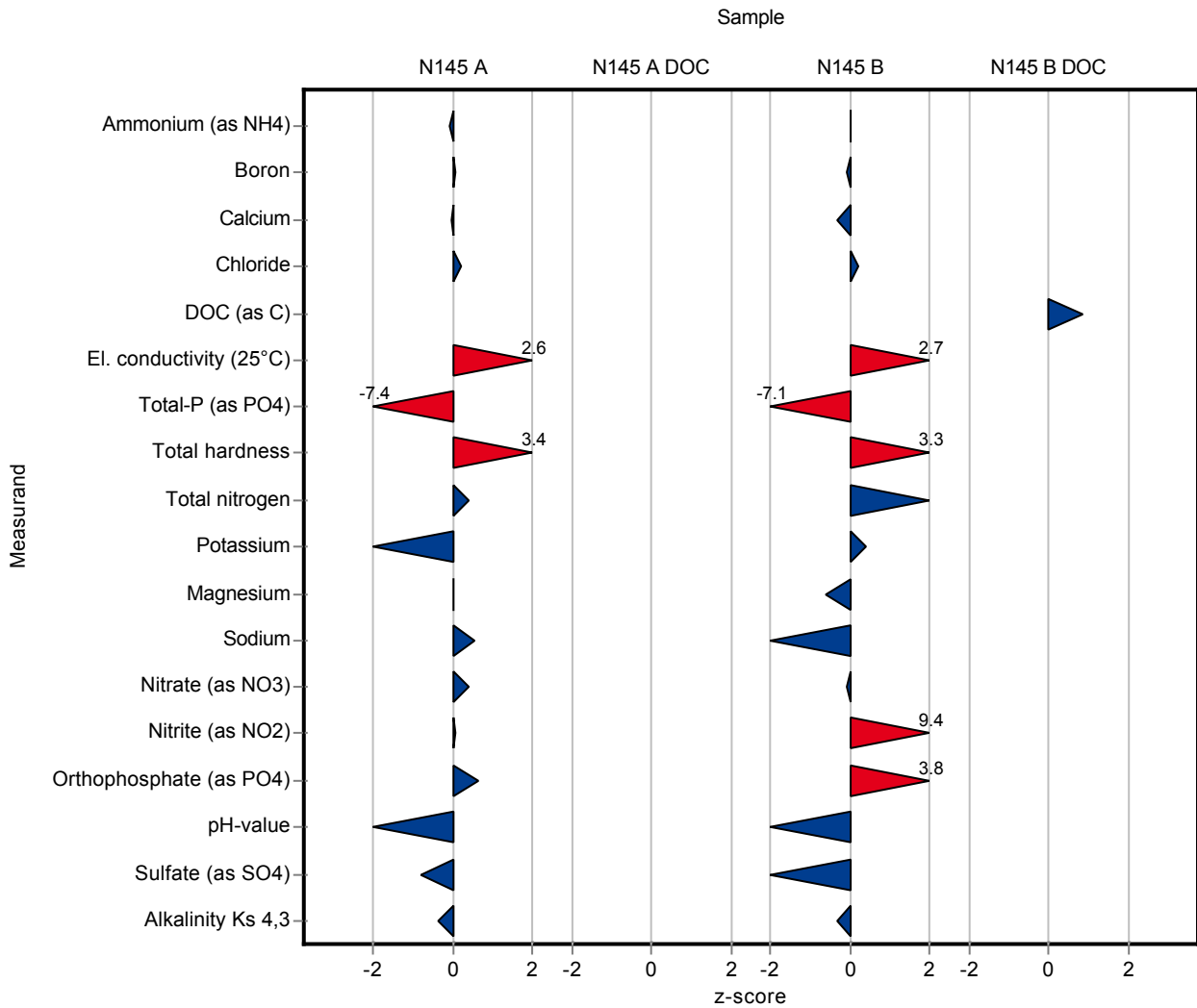
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.089 ± 0.004	0.0143	99.9	-0.01
Boron	mg/l	0.0155 ± 0.000684	0.0154 ± 0.0006	0.00155	99.3	-0.07
Calcium	mg/l	63.5 ± 0.611	62.82 ± 0.86	2.09	99	-0.32
Chloride	mg/l	28.2 ± 0.219	28.41 ± 0.33	1.07	101	0.22
El. conductivity (25°C)	µS/cm	498 ± 1.43	516 ± 0.1	6.48	104	2.73
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.05 ± 0.007	0.0122	36.4	-7.14
Total hardness	mmol/l	2.2 ± 0.0157	2.4 ± 0.1	0.0595	109	3.30

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.433 ± 0.15	0.252	113	1.57
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.48 ± 0.03	0.121	102	0.41
Magnesium	mg/l	14.6 ± 0.152	14.3 ± 0.18	0.523	97.8	-0.61
Sodium	mg/l	17.4 ± 0.211	16.38 ± 0.34	0.715	94.1	-1.43
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.41 ± 0.165	0.611	99.6	-0.09
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.103 ± 0.004	0.00423	163	9.44
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.165 ± 0.023	0.0111	135	3.84
pH-value	-	8.13 ± 0.0204	7.91 ± 0.17	0.13	97.3	-1.66
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.12 ± 0.34	1.02	94.6	-1.63
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.001	0.0725	99.4	-0.32

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.36 ± 0.04	0.21	108	0.85



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.084 ± 0.003	0.0137	98.4	-0.21
Boron	mg/l	0.0212 ± 0.000599	0.0213 ± 0.0006	0.00212	100	0.07
Calcium	mg/l	61 ± 0.622	60.94 ± 1.59	2.15	99.8	-0.03
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.34	0.825	101	0.27
El. conductivity (25°C)	µS/cm	481 ± 1.57	497.5 ± 2.15	6.25	103	3.58
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.22 ± 0.009	0.0577	33.9	-19.90
Total hardness	mmol/l	2.29 ± 0.0172	2.5 ± 0.1	0.0618	109	1.04
Total nitrogen	mg/l	7.48 ± 0.238	7.74 ± 0.22	0.628	103	0.52
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.08 ± 0.05	0.094	91.7	-0.94
Magnesium	mg/l	18.2 ± 0.188	18.17 ± 0.3	0.651	100	0.00
Sodium	mg/l	6.75 ± 0.0891	6.91 ± 0.04	0.292	102	1.31
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.81 ± 0.52	1.58	102	0.61
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.189 ± 0.025	0.00998	100	0.01
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.189 ± 0.0245	0.0162	106	0.22
pH-value	-	7.85 ± 0.0288	7.61 ± 0.11	0.126	97	-1.07
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.63 ± 0.93	1.89	97.4	-0.78
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.02	0.0525	99.2	-0.48

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (LOQ) ± -	0.133	-	-

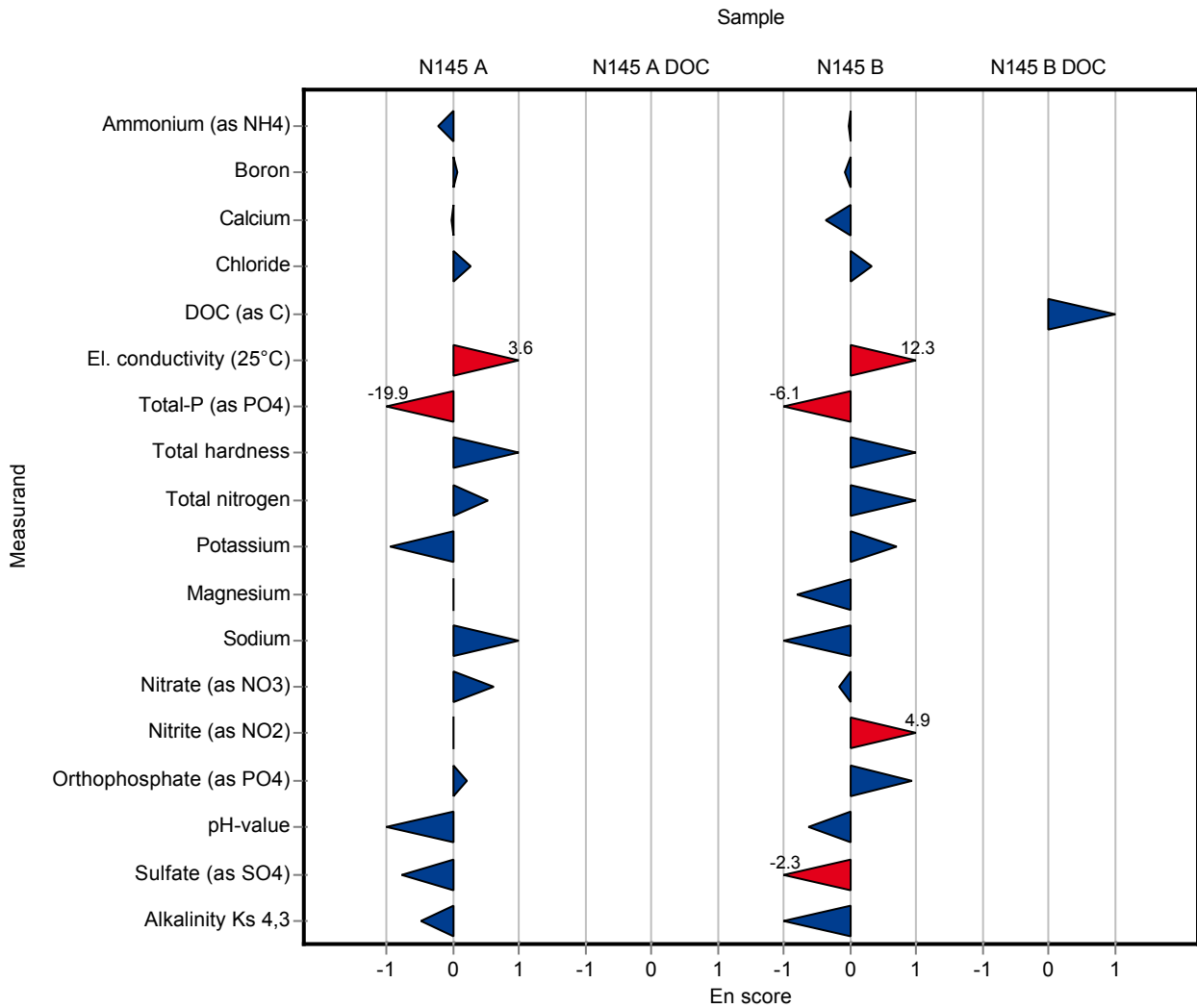
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.089 ± 0.004	0.0143	99.9	-0.01
Boron	mg/l	0.0155 ± 0.000684	0.0154 ± 0.0006	0.00155	99.3	-0.08
Calcium	mg/l	63.5 ± 0.611	62.82 ± 0.86	2.09	99	-0.36
Chloride	mg/l	28.2 ± 0.219	28.41 ± 0.33	1.07	101	0.34
El. conductivity (25°C)	µS/cm	498 ± 1.43	516 ± 0.1	6.48	104	12.30
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.05 ± 0.007	0.0122	36.4	-6.06
Total hardness	mmol/l	2.2 ± 0.0157	2.4 ± 0.1	0.0595	109	0.98

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.433 ± 0.15	0.252	113	1.26
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.48 ± 0.03	0.121	102	0.71
Magnesium	mg/l	14.6 ± 0.152	14.3 ± 0.18	0.523	97.8	-0.82
Sodium	mg/l	17.4 ± 0.211	16.38 ± 0.34	0.715	94.1	-1.44
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.41 ± 0.165	0.611	99.6	-0.15
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.103 ± 0.004	0.00423	163	4.93
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.165 ± 0.023	0.0111	135	0.93
pH-value	-	8.13 ± 0.0204	7.91 ± 0.17	0.13	97.3	-0.63
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.12 ± 0.34	1.02	94.6	-2.28
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.001	0.0725	99.4	-1.14

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.36 ± 0.04	0.21	108	1.79



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	62.1 ± 2.4	2.15	102	0.49
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	508.5 ± 1	6.25	106	4.38
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.325 ± 0.012	0.0618	102	0.56
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.094 ± 0.014	0.094	92.9	-0.89
Magnesium	mg/l	18.2 ± 0.188	18.8 ± 1.5	0.651	103	0.96
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.7 ± 1.2	1.58	105	0.98
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	8.08 ± 0.05	0.126	103	1.85
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.579 ± 0.006	0.0525	99.2	-0.41

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

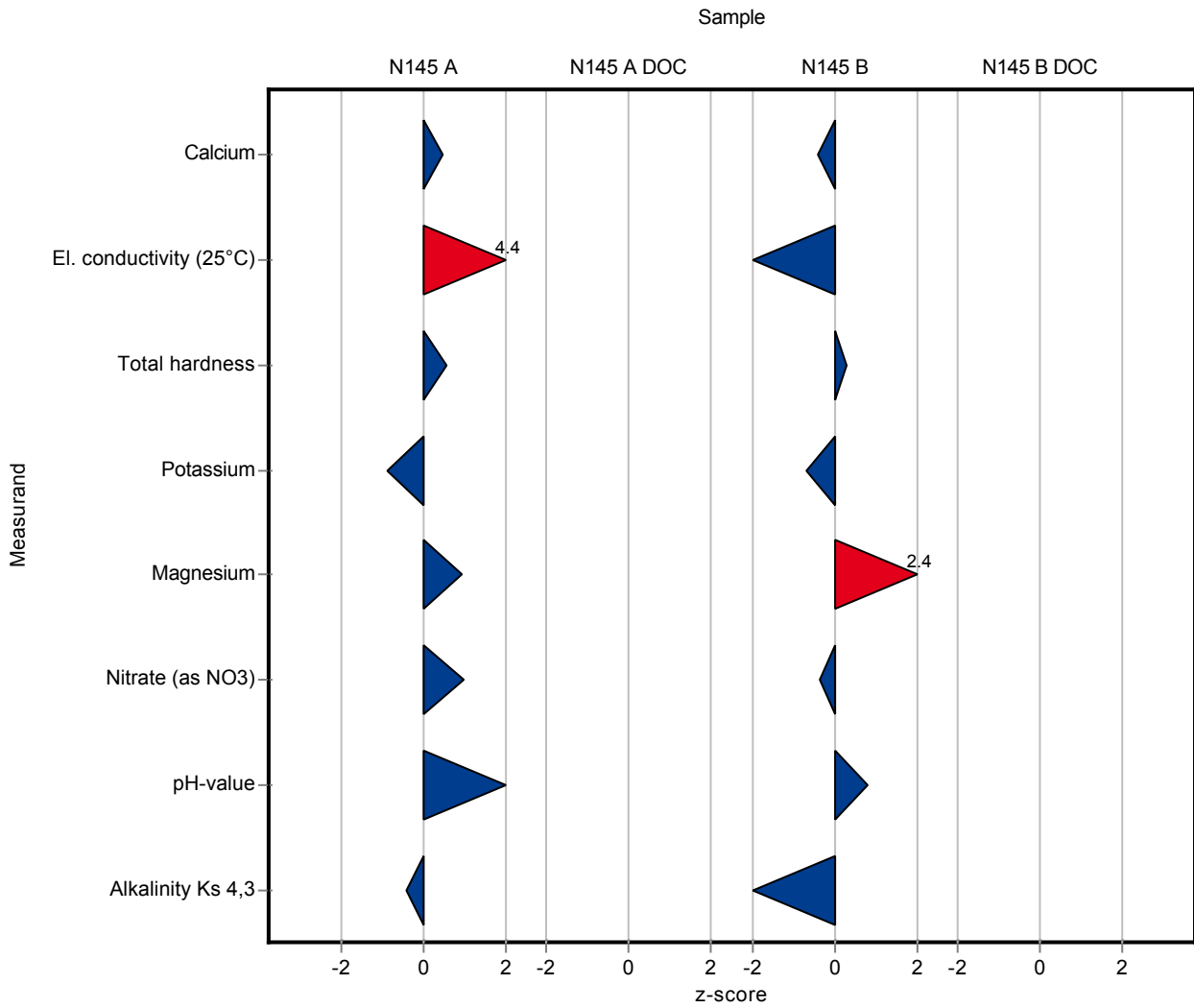
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.6 ± 1.1	2.09	98.6	-0.42
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	487.1 ± 1.7	6.48	97.8	-1.73
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.06	0.0595	101	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.346 ± 0.006	0.121	96.5	-0.69
Magnesium	mg/l	14.6 ± 0.152	15.9 ± 0.7	0.523	109	2.45
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.24 ± 0.01	0.611	98.2	-0.37
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.23 ± 0.08	0.13	101	0.80
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.49 ± 0.06	0.0725	97.7	-1.14

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	62.1 ± 2.4	2.15	102	0.22
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	508.5 ± 1	6.25	106	10.80
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.325 ± 0.012	0.0618	102	1.17
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.094 ± 0.014	0.094	92.9	-2.11
Magnesium	mg/l	18.2 ± 0.188	18.8 ± 1.5	0.651	103	0.21
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.7 ± 1.2	1.58	105	0.64
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	8.08 ± 0.05	0.126	103	2.23
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.579 ± 0.006	0.0525	99.2	-1.13

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

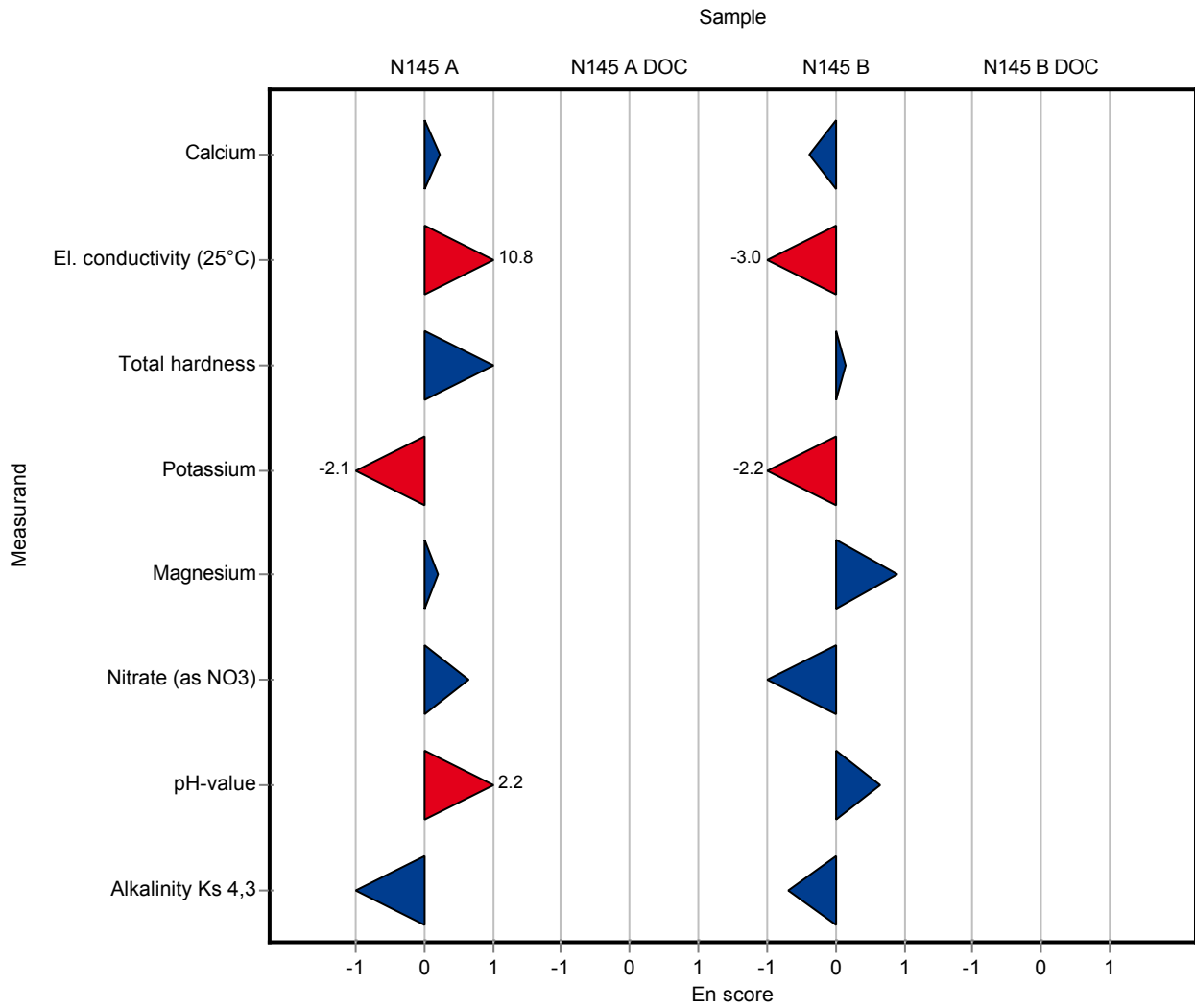
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.6 ± 1.1	2.09	98.6	-0.39
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	487.1 ± 1.7	6.48	97.8	-3.04
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.06	0.0595	101	0.14

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.346 ± 0.006	0.121	96.5	-2.21
Magnesium	mg/l	14.6 ± 0.152	15.9 ± 0.7	0.523	109	0.91
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.24 ± 0.01	0.611	98.2	-1.89
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.23 ± 0.08	0.13	101	0.65
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.49 ± 0.06	0.0725	97.7	-0.68

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.088 ± 0.009	0.0137	103	0.19
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.002	0.00212	99.1	-0.09
Calcium	mg/l	61 ± 0.622	70 ± 7	2.15	115	4.16
Chloride	mg/l	21.7 ± 0.152	22 ± 2	0.825	101	0.35
El. conductivity (25°C)	µS/cm	481 ± 1.57	492 ± 49	6.25	102	1.74
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.648 ± 0.065	0.0577	99.9	-0.01
Total hardness	mmol/l	2.29 ± 0.0172	2.49 ± 0.25	0.0618	109	3.23
Total nitrogen	mg/l	7.48 ± 0.238	7.9 ± 0.8	0.628	106	0.67
Hydrogen carbonate	mg/l	157 ± 1.09	170 ± 17	3.36	108	3.82
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.1	0.094	93.4	-0.82
Magnesium	mg/l	18.2 ± 0.188	18 ± 2	0.651	99.1	-0.27
Sodium	mg/l	6.75 ± 0.0891	6.4 ± 0.6	0.292	94.8	-1.21
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	34 ± 3	1.58	106	1.17
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.193 ± 0.019	0.00998	103	0.48
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.171 ± 0.017	0.0162	95.9	-0.45
pH-value	-	7.85 ± 0.0288	7.9 ± 0.2	0.126	101	0.42
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59 ± 6	1.89	103	0.99
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.7 ± 0.3	0.0525	104	1.90

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (LOQ) ± -	0.133	-	-

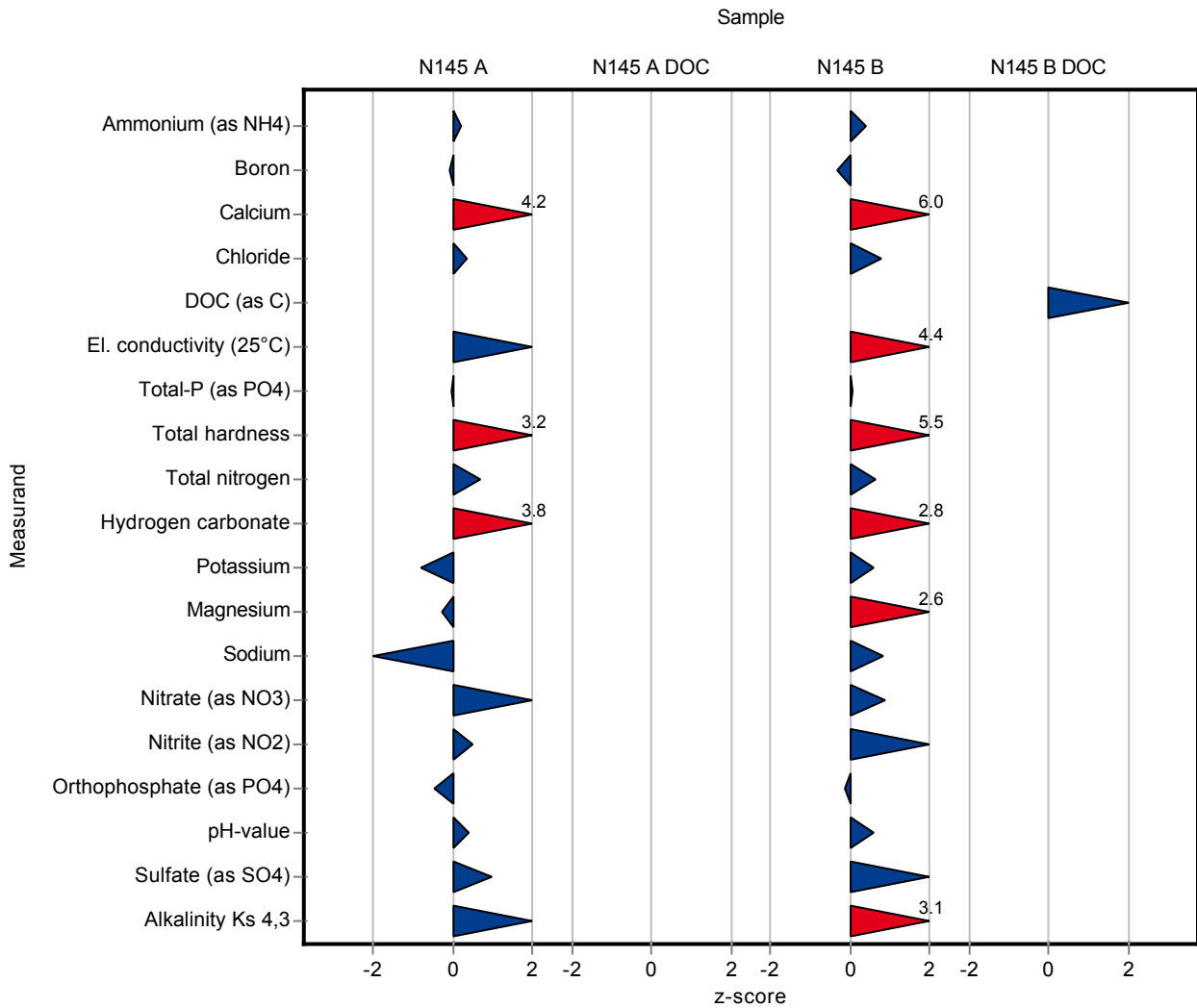
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.01	0.0143	107	0.41
Boron	mg/l	0.0155 ± 0.000684	0.015 ± 0.002	0.00155	96.7	-0.33
Calcium	mg/l	63.5 ± 0.611	76 ± 8	2.09	120	5.98
Chloride	mg/l	28.2 ± 0.219	29 ± 3	1.07	103	0.77
El. conductivity (25°C)	µS/cm	498 ± 1.43	527 ± 53	6.48	106	4.43
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.014	0.0122	101	0.06
Total hardness	mmol/l	2.2 ± 0.0157	2.53 ± 0.25	0.0595	115	5.49

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.2 ± 0.3	0.252	105	0.65
Hydrogen carbonate	mg/l	217 ± 1.49	230 ± 23	4.7	106	2.82
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.2	0.121	103	0.58
Magnesium	mg/l	14.6 ± 0.152	16 ± 2	0.523	109	2.64
Sodium	mg/l	17.4 ± 0.211	18 ± 2	0.715	103	0.83
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 1	0.611	104	0.88
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.068 ± 0.007	0.00423	108	1.16
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.121 ± 0.012	0.0111	98.9	-0.12
pH-value	-	8.13 ± 0.0204	8.2 ± 0.2	0.13	101	0.57
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32 ± 3	1.02	104	1.20
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.8 ± 0.4	0.0725	106	3.13

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.5 ± 0.3	0.21	115	1.51



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.088 ± 0.009	0.0137	103	0.15
Boron	mg/l	0.0212 ± 0.000599	0.021 ± 0.002	0.00212	99.1	-0.05
Calcium	mg/l	61 ± 0.622	70 ± 7	2.15	115	0.64
Chloride	mg/l	21.7 ± 0.152	22 ± 2	0.825	101	0.07
El. conductivity (25°C)	µS/cm	481 ± 1.57	492 ± 49	6.25	102	0.11
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.648 ± 0.065	0.0577	99.9	-0.01
Total hardness	mmol/l	2.29 ± 0.0172	2.49 ± 0.25	0.0618	109	0.40
Total nitrogen	mg/l	7.48 ± 0.238	7.9 ± 0.8	0.628	106	0.26
Hydrogen carbonate	mg/l	157 ± 1.09	170 ± 17	3.36	108	0.38
Potassium	mg/l	1.18 ± 0.028	1.1 ± 0.1	0.094	93.4	-0.38
Magnesium	mg/l	18.2 ± 0.188	18 ± 2	0.651	99.1	-0.04
Sodium	mg/l	6.75 ± 0.0891	6.4 ± 0.6	0.292	94.8	-0.29
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	34 ± 3	1.58	106	0.31
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.193 ± 0.019	0.00998	103	0.13
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.171 ± 0.017	0.0162	95.9	-0.21
pH-value	-	7.85 ± 0.0288	7.9 ± 0.2	0.126	101	0.13
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59 ± 6	1.89	103	0.16
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.7 ± 0.3	0.0525	104	0.17

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<1 (LOQ) ± -	0.133	-	-

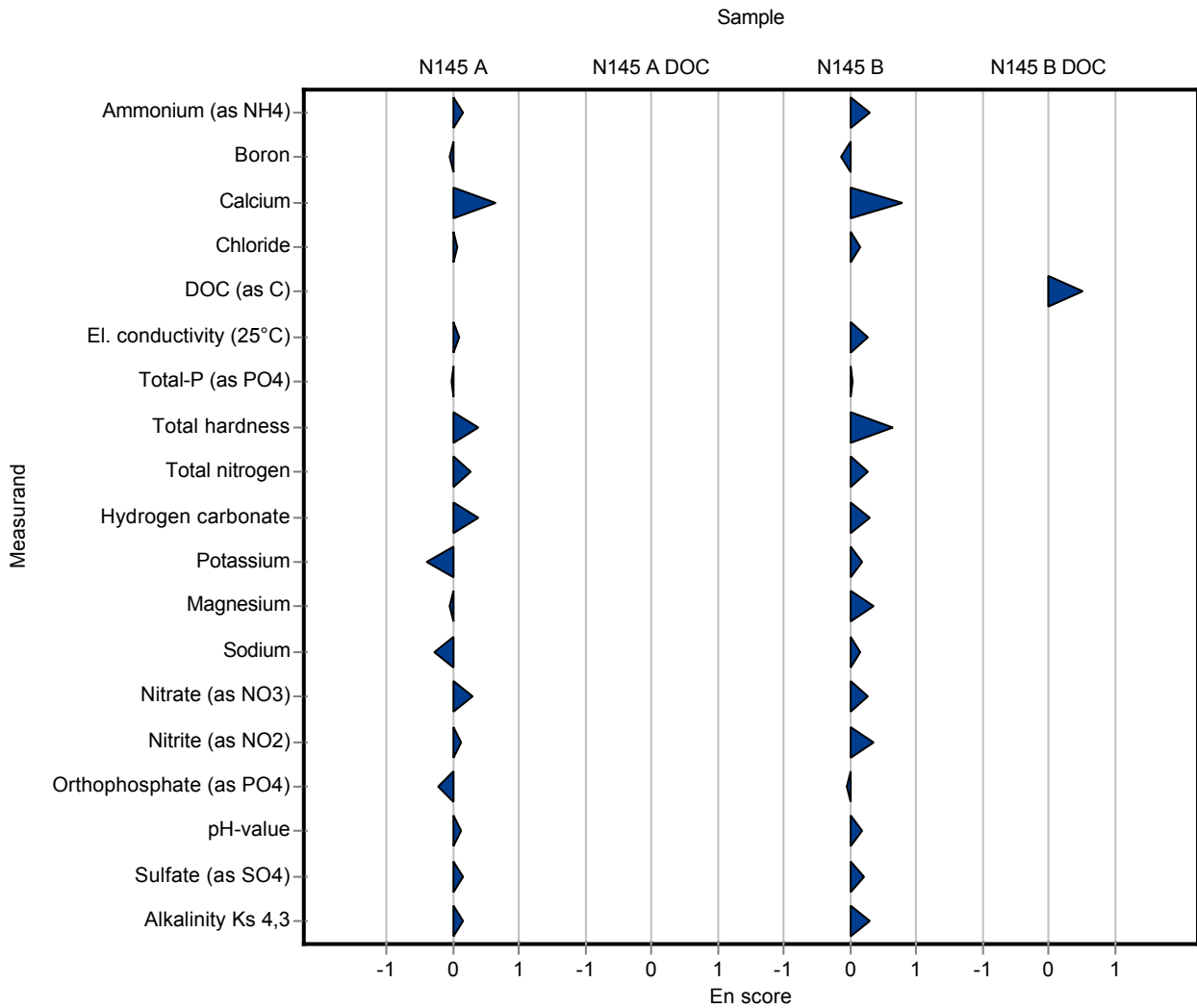
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.01	0.0143	107	0.29
Boron	mg/l	0.0155 ± 0.000684	0.015 ± 0.002	0.00155	96.7	-0.12
Calcium	mg/l	63.5 ± 0.611	76 ± 8	2.09	120	0.78
Chloride	mg/l	28.2 ± 0.219	29 ± 3	1.07	103	0.14
El. conductivity (25°C)	µS/cm	498 ± 1.43	527 ± 53	6.48	106	0.27
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.138 ± 0.014	0.0122	101	0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.53 ± 0.25	0.0595	115	0.65

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.2 ± 0.3	0.252	105	0.27
Hydrogen carbonate	mg/l	217 ± 1.49	230 ± 23	4.7	106	0.29
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.2	0.121	103	0.17
Magnesium	mg/l	14.6 ± 0.152	16 ± 2	0.523	109	0.34
Sodium	mg/l	17.4 ± 0.211	18 ± 2	0.715	103	0.15
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 1	0.611	104	0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.068 ± 0.007	0.00423	108	0.35
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.121 ± 0.012	0.0111	98.9	-0.05
pH-value	-	8.13 ± 0.0204	8.2 ± 0.2	0.13	101	0.18
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	32 ± 3	1.02	104	0.20
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.8 ± 0.4	0.0725	106	0.28

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.5 ± 0.3	0.21	115	0.53



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.079 ± 0.008	0.0137	92.6	-0.47
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	31.2 ± 3.1	2.15	51.1	-13.80
Chloride	mg/l	21.7 ± 0.152	21.9 ± 2.2	0.825	101	0.23
El. conductivity (25°C)	µS/cm	481 ± 1.57	489 ± 20	6.25	102	1.26
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.675 ± 0.07	0.0577	104	0.46
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	7.54 ± 0.8	0.628	101	0.10
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.12	0.094	102	0.24
Magnesium	mg/l	18.2 ± 0.188	37.1 ± 3.7	0.651	204	29.10
Sodium	mg/l	6.75 ± 0.0891	7.03 ± 0.7	0.292	104	0.95
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.2 ± 3.2	1.58	100	0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.183 ± 0.02	0.00998	97.2	-0.53
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.186 ± 0.018	0.0162	104	0.47
pH-value	-	7.85 ± 0.0288	8.07 ± 0.1	0.126	103	1.77
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.9 ± 6	1.89	105	1.47
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.26	0.0525	99.2	-0.39

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.47 ± 0.047	0.133	81	-0.82

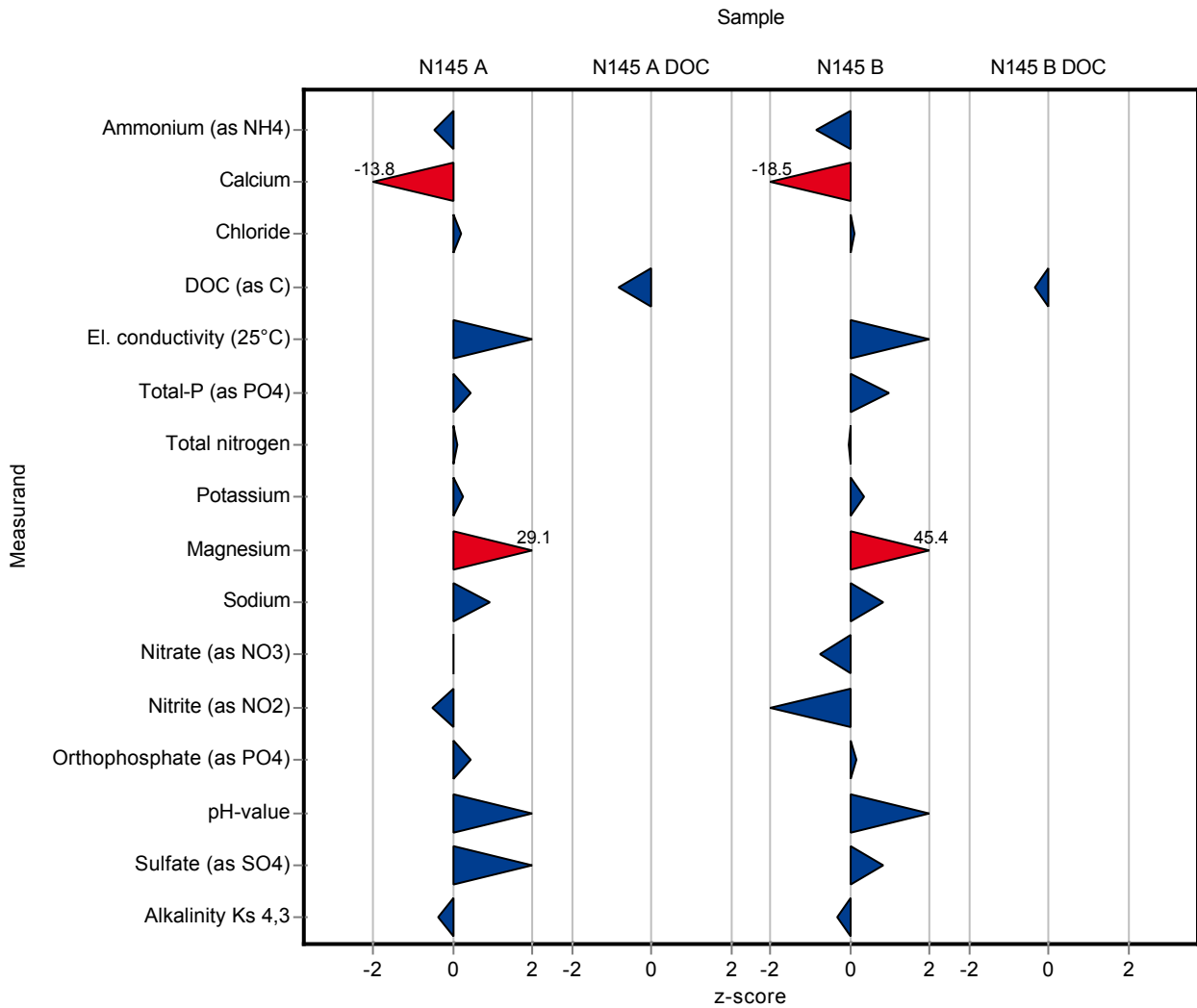
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.077 ± 0.008	0.0143	86.4	-0.85
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	24.8 ± 2.5	2.09	39.1	-18.50
Chloride	mg/l	28.2 ± 0.219	28.3 ± 2.8	1.07	100	0.12
El. conductivity (25°C)	µS/cm	498 ± 1.43	508 ± 20	6.48	102	1.50
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.149 ± 0.015	0.0122	109	0.96
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.03 ± 0.3	0.252	99.8	-0.03
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.47 ± 0.25	0.121	102	0.33
Magnesium	mg/l	14.6 ± 0.152	38.4 ± 3.8	0.523	263	45.40
Sodium	mg/l	17.4 ± 0.211	18 ± 1.8	0.715	103	0.83
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1.2	0.611	96.3	-0.76
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.057 ± 0.006	0.00423	90.4	-1.44
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.124 ± 0.012	0.0111	101	0.15
pH-value	-	8.13 ± 0.0204	8.27 ± 0.83	0.13	102	1.11
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.6 ± 3.2	1.02	103	0.81
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.36	0.0725	99.4	-0.32

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.11 ± 0.21	0.21	96.7	-0.35



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.079 ± 0.008	0.0137	92.6	-0.39
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	31.2 ± 3.1	2.15	51.1	-4.79
Chloride	mg/l	21.7 ± 0.152	21.9 ± 2.2	0.825	101	0.04
El. conductivity (25°C)	µS/cm	481 ± 1.57	489 ± 20	6.25	102	0.20
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.675 ± 0.07	0.0577	104	0.19
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	7.54 ± 0.8	0.628	101	0.04
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.12	0.094	102	0.09
Magnesium	mg/l	18.2 ± 0.188	37.1 ± 3.7	0.651	204	2.56
Sodium	mg/l	6.75 ± 0.0891	7.03 ± 0.7	0.292	104	0.20
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.2 ± 3.2	1.58	100	0.01
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.183 ± 0.02	0.00998	97.2	-0.13
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.186 ± 0.018	0.0162	104	0.21
pH-value	-	7.85 ± 0.0288	8.07 ± 0.1	0.126	103	1.10
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	59.9 ± 6	1.89	105	0.23
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.58 ± 0.26	0.0525	99.2	-0.04

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.47 ± 0.047	0.133	81	-1.05

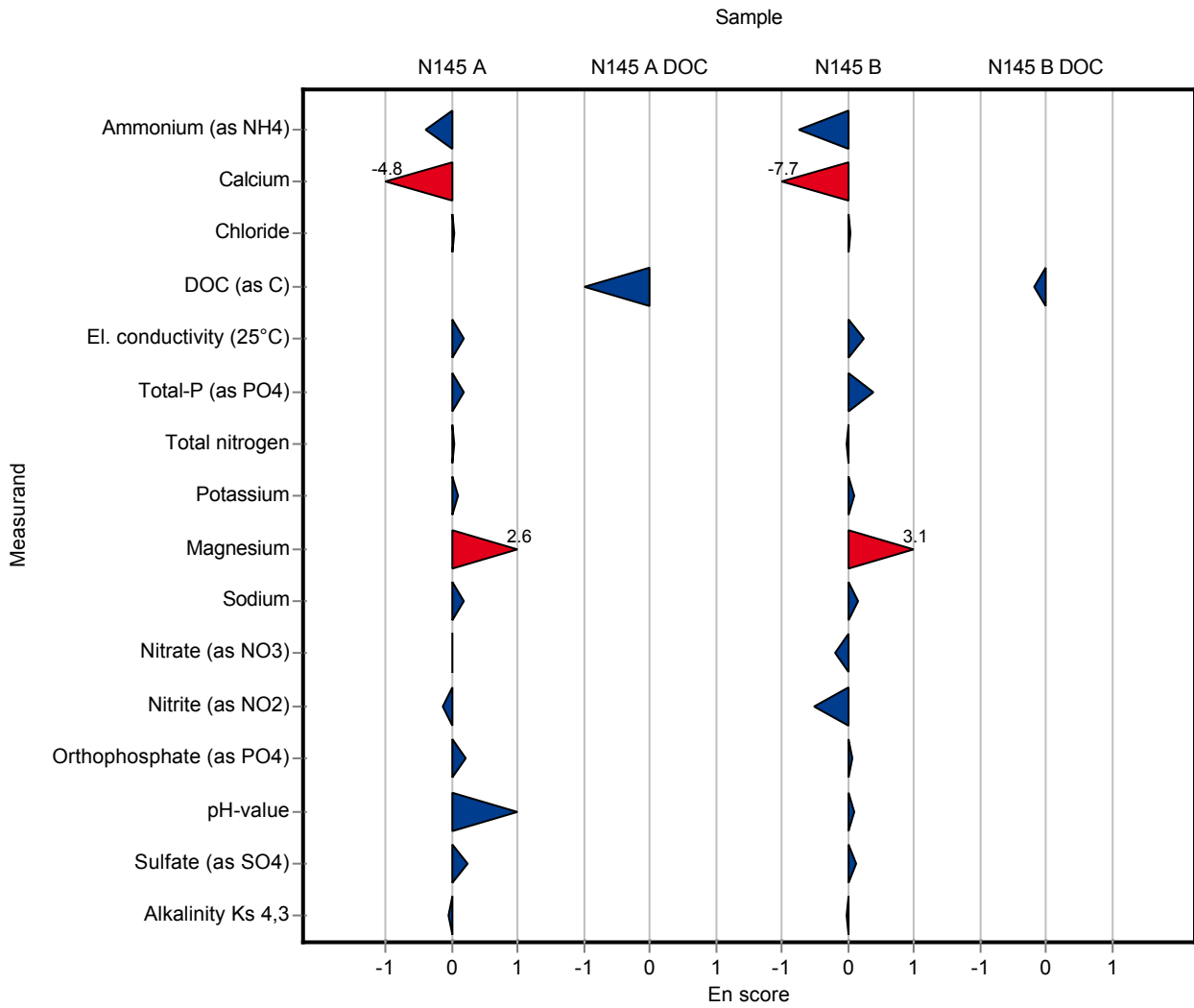
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.077 ± 0.008	0.0143	86.4	-0.74
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	24.8 ± 2.5	2.09	39.1	-7.68
Chloride	mg/l	28.2 ± 0.219	28.3 ± 2.8	1.07	100	0.02
El. conductivity (25°C)	µS/cm	498 ± 1.43	508 ± 20	6.48	102	0.24
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.149 ± 0.015	0.0122	109	0.39
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.03 ± 0.3	0.252	99.8	-0.01
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.47 ± 0.25	0.121	102	0.08
Magnesium	mg/l	14.6 ± 0.152	38.4 ± 3.8	0.523	263	3.13
Sodium	mg/l	17.4 ± 0.211	18 ± 1.8	0.715	103	0.17
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 1.2	0.611	96.3	-0.19
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.057 ± 0.006	0.00423	90.4	-0.50
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.124 ± 0.012	0.0111	101	0.07
pH-value	-	8.13 ± 0.0204	8.27 ± 0.83	0.13	102	0.09
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.6 ± 3.2	1.02	103	0.13
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.55 ± 0.36	0.0725	99.4	-0.03

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.11 ± 0.21	0.21	96.7	-0.17



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.08 ± 0.01	0.0137	93.7	-0.39
Boron	mg/l	0.0212 ± 0.000599	<0.04 (LOQ) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	72.6 ± 0.8	2.15	119	5.37
Chloride	mg/l	21.7 ± 0.152	19.1 ± 0.6	0.825	88	-3.17
El. conductivity (25°C)	µS/cm	481 ± 1.57	541 ± 25	6.25	112	9.57
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	<2.3 (LOQ) ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	22.3 ± 0.35	0.651	123	6.35
Sodium	mg/l	6.75 ± 0.0891	7.4 ± 0.1	0.292	110	2.21
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	27.5 ± 2.4	1.58	85.5	-2.95
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	<0.1 (LOQ) ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	<0.1 (LOQ) ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.85 ± 0.2	0.126	100	0.02
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	51.7 ± 1.6	1.89	90.5	-2.88
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

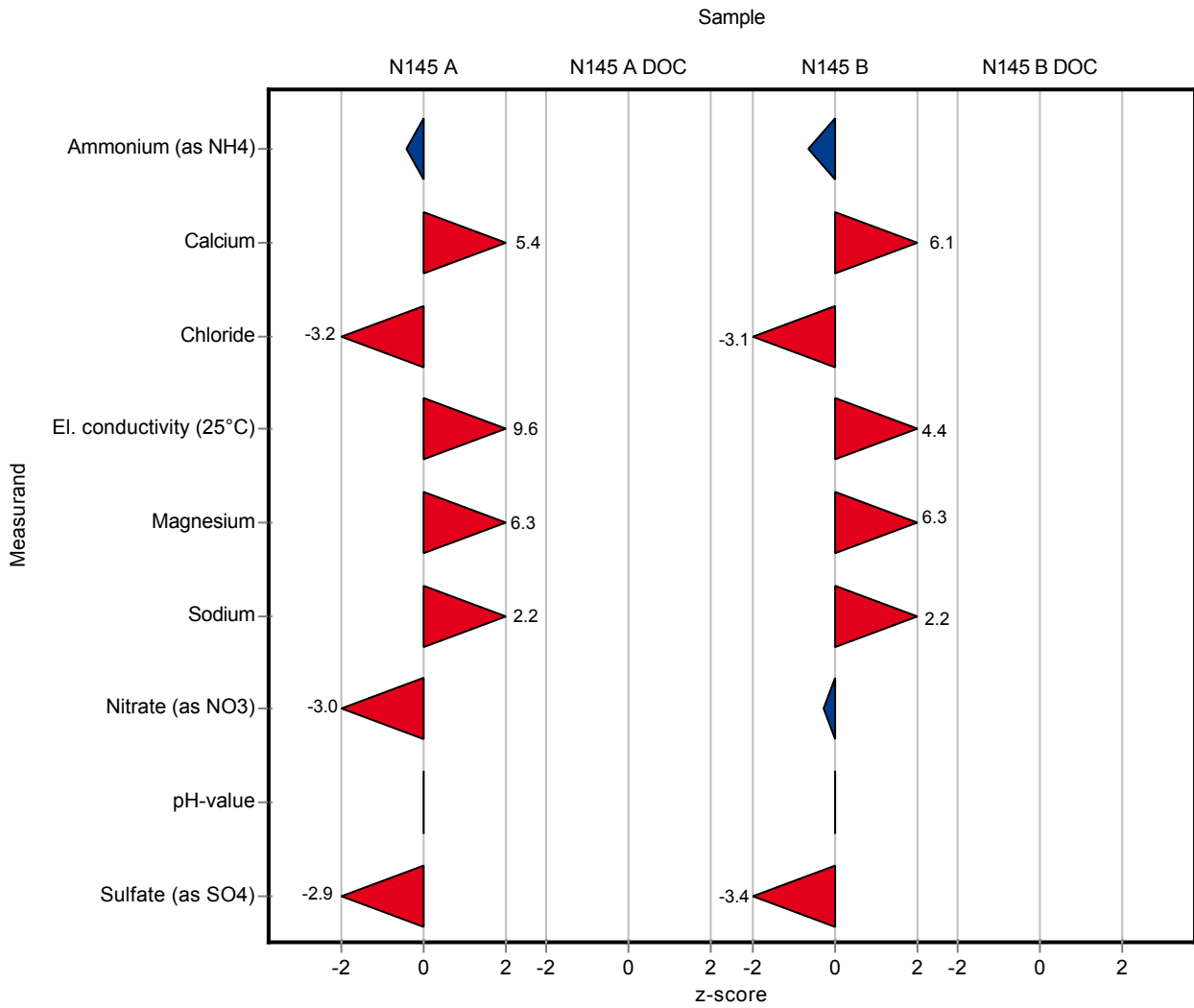
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.08 ± 0.01	0.0143	89.8	-0.64
Boron	mg/l	0.0155 ± 0.000684	<0.04 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	76.3 ± 1.2	2.09	120	6.12
Chloride	mg/l	28.2 ± 0.219	24.9 ± 0.33	1.07	88.4	-3.06
El. conductivity (25°C)	µS/cm	498 ± 1.43	527 ± 25	6.48	106	4.43
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	<2.3 (LOQ) ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	17.9 ± 0.28	0.523	122	6.27
Sodium	mg/l	17.4 ± 0.211	19 ± 0.22	0.715	109	2.23
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 1.1	0.611	98.7	-0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	<0.1 (LOQ) ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	<0.1 (LOQ) ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.13 ± 0.2	0.13	100	0.03
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	27.3 ± 1.3	1.02	88.7	-3.42
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.08 ± 0.01	0.0137	93.7	-0.27
Boron	mg/l	0.0212 ± 0.000599	<0.04 (LOQ) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	72.6 ± 0.8	2.15	119	6.74
Chloride	mg/l	21.7 ± 0.152	19.1 ± 0.6	0.825	88	-2.16
El. conductivity (25°C)	µS/cm	481 ± 1.57	541 ± 25	6.25	112	1.20
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	<2.3 (LOQ) ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	22.3 ± 0.35	0.651	123	5.70
Sodium	mg/l	6.75 ± 0.0891	7.4 ± 0.1	0.292	110	2.95
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	27.5 ± 2.4	1.58	85.5	-0.97
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	<0.1 (LOQ) ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	<0.1 (LOQ) ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.85 ± 0.2	0.126	100	0.01
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	51.7 ± 1.6	1.89	90.5	-1.67
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

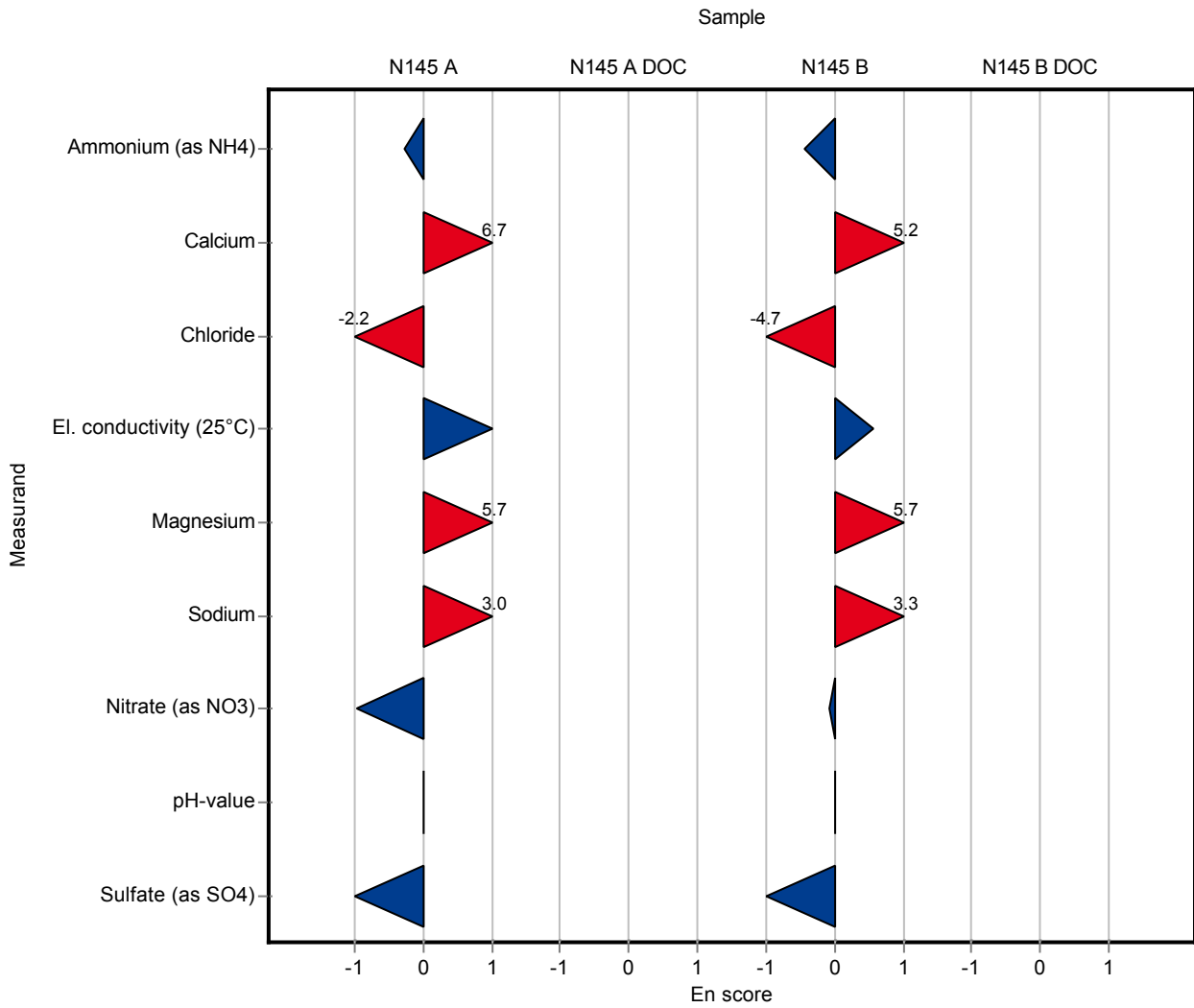
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.08 ± 0.01	0.0143	89.8	-0.45
Boron	mg/l	0.0155 ± 0.000684	<0.04 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	76.3 ± 1.2	2.09	120	5.18
Chloride	mg/l	28.2 ± 0.219	24.9 ± 0.33	1.07	88.4	-4.71
El. conductivity (25°C)	µS/cm	498 ± 1.43	527 ± 25	6.48	106	0.57
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	<2.3 (LOQ) ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	17.9 ± 0.28	0.523	122	5.65
Sodium	mg/l	17.4 ± 0.211	19 ± 0.22	0.715	109	3.27
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.3 ± 1.1	0.611	98.7	-0.07
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	<0.1 (LOQ) ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	<0.1 (LOQ) ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.13 ± 0.2	0.13	100	0.01
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	27.3 ± 1.3	1.02	88.7	-1.33
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.087 ± 0.002	0.0137	102	0.12
Boron	mg/l	0.0212 ± 0.000599	0.02 ± 0.01	0.00212	94.3	-0.57
Calcium	mg/l	61 ± 0.622	62.75 ± 1	2.15	103	0.80
Chloride	mg/l	21.7 ± 0.152	21.8 ± 2.1	0.825	100	0.10
El. conductivity (25°C)	µS/cm	481 ± 1.57	489.5 ± 9	6.25	102	1.34
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.7 ± 0.1	0.0577	108	0.89
Total hardness	mmol/l	2.29 ± 0.0172	2.31 ± 0.4	0.0618	101	0.32
Total nitrogen	mg/l	7.48 ± 0.238	7.23 ± 0.04	0.628	96.7	-0.40
Hydrogen carbonate	mg/l	157 ± 1.09	141.6 ± 12	3.36	90.1	-4.62
Potassium	mg/l	1.18 ± 0.028	1.64 ± 0.1	0.094	139	4.92
Magnesium	mg/l	18.2 ± 0.188	18.17 ± 0.1	0.651	100	0.00
Sodium	mg/l	6.75 ± 0.0891	7.37 ± 0.1	0.292	109	2.11
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.09 ± 2.1	1.58	103	0.59
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.197 ± 0.02	0.00998	105	0.88
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.163 ± 0.01	0.0162	91.4	-0.94
pH-value	-	7.85 ± 0.0288	8 ± 0.06	0.126	102	1.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.11 ± 2.1	1.89	100	-0.01
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.32 ± 0.2	0.0525	89.2	-5.34

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.75 ± 0.05	0.133	129	1.27

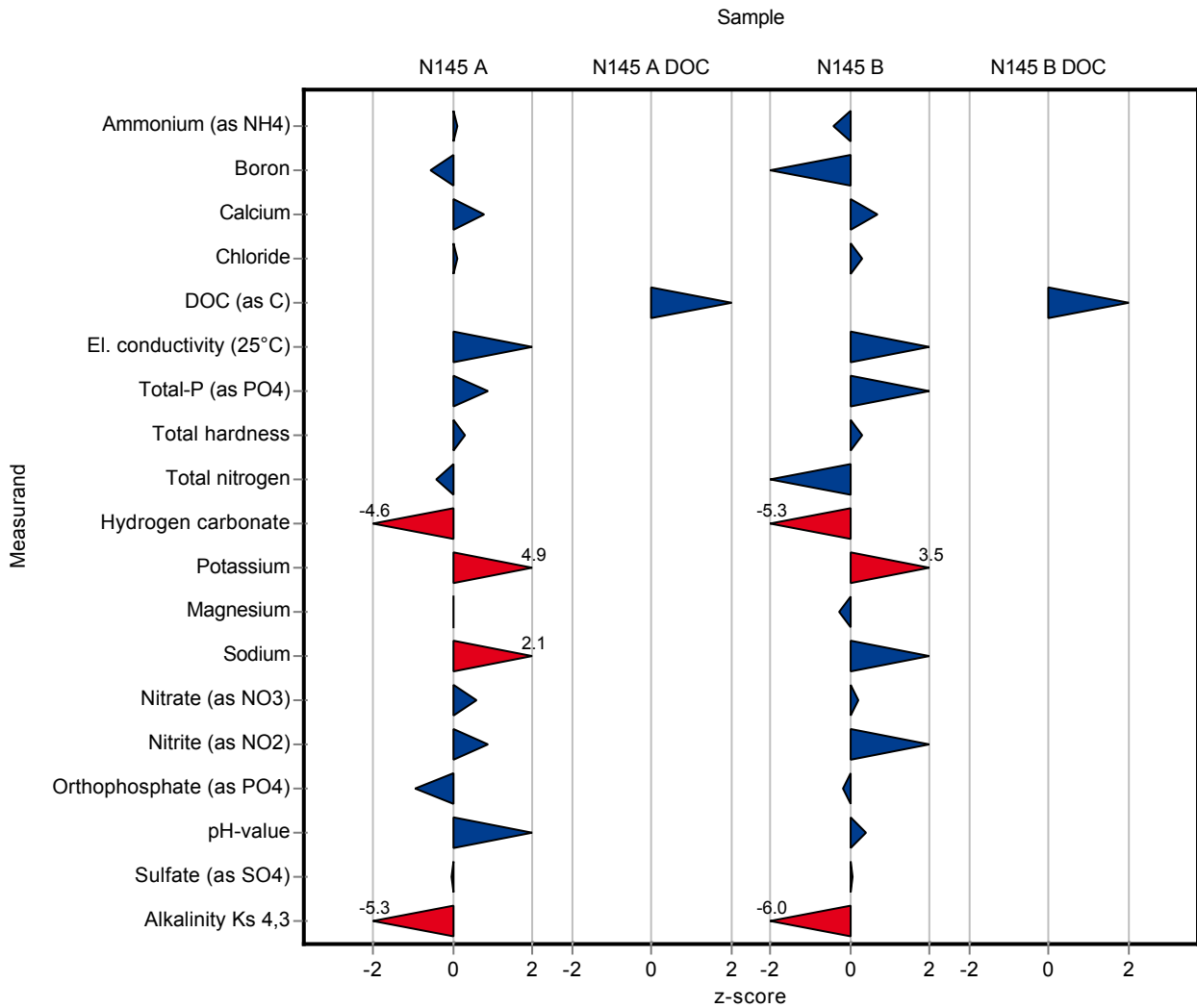
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.083 ± 0.01	0.0143	93.1	-0.43
Boron	mg/l	0.0155 ± 0.000684	0.013 ± 0.01	0.00155	83.8	-1.62
Calcium	mg/l	63.5 ± 0.611	64.9 ± 1	2.09	102	0.68
Chloride	mg/l	28.2 ± 0.219	28.5 ± 2.1	1.07	101	0.30
El. conductivity (25°C)	µS/cm	498 ± 1.43	507.5 ± 9	6.48	102	1.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.15 ± 0.1	0.0122	109	1.04
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.4	0.0595	101	0.28

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.71 ± 0.06	0.252	89.2	-1.30
Hydrogen carbonate	mg/l	217 ± 1.49	191.6 ± 12	4.7	88.4	-5.35
Potassium	mg/l	2.43 ± 0.0361	2.85 ± 0.2	0.121	117	3.47
Magnesium	mg/l	14.6 ± 0.152	14.48 ± 1.6	0.523	99	-0.27
Sodium	mg/l	17.4 ± 0.211	18.26 ± 0.2	0.715	105	1.20
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 2.1	0.611	101	0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.068 ± 0.006	0.00423	108	1.16
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.12 ± 0.12	0.0111	98.1	-0.21
pH-value	-	8.13 ± 0.0204	8.18 ± 0.06	0.13	101	0.42
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.83 ± 2.1	1.02	100	0.05
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.14 ± 0.2	0.0725	87.9	-5.97

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.43 ± 0.07	0.21	111	1.18



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.087 ± 0.002	0.0137	102	0.35
Boron	mg/l	0.0212 ± 0.000599	0.02 ± 0.01	0.00212	94.3	-0.06
Calcium	mg/l	61 ± 0.622	62.75 ± 1	2.15	103	0.82
Chloride	mg/l	21.7 ± 0.152	21.8 ± 2.1	0.825	100	0.02
El. conductivity (25°C)	µS/cm	481 ± 1.57	489.5 ± 9	6.25	102	0.46
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.7 ± 0.1	0.0577	108	0.26
Total hardness	mmol/l	2.29 ± 0.0172	2.31 ± 0.4	0.0618	101	0.02
Total nitrogen	mg/l	7.48 ± 0.238	7.23 ± 0.04	0.628	96.7	-1.00
Hydrogen carbonate	mg/l	157 ± 1.09	141.6 ± 12	3.36	90.1	-0.65
Potassium	mg/l	1.18 ± 0.028	1.64 ± 0.1	0.094	139	2.29
Magnesium	mg/l	18.2 ± 0.188	18.17 ± 0.1	0.651	100	-0.01
Sodium	mg/l	6.75 ± 0.0891	7.37 ± 0.1	0.292	109	2.82
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	33.09 ± 2.1	1.58	103	0.22
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.197 ± 0.02	0.00998	105	0.22
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.163 ± 0.01	0.0162	91.4	-0.76
pH-value	-	7.85 ± 0.0288	8 ± 0.06	0.126	102	1.23
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	57.11 ± 2.1	1.89	100	0.00
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.32 ± 0.2	0.0525	89.2	-0.70

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.75 ± 0.05	0.133	129	1.54

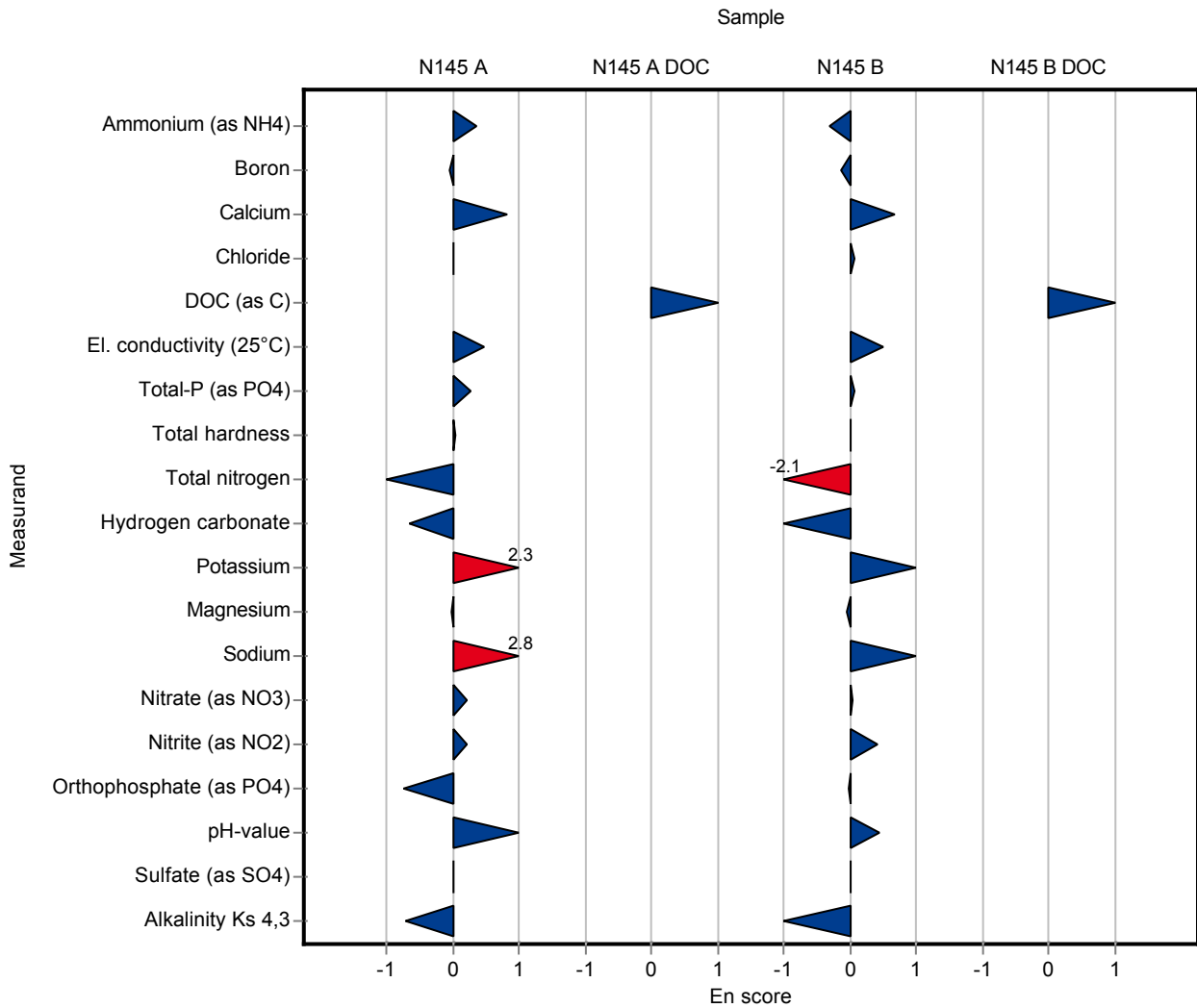
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.083 ± 0.01	0.0143	93.1	-0.30
Boron	mg/l	0.0155 ± 0.000684	0.013 ± 0.01	0.00155	83.8	-0.13
Calcium	mg/l	63.5 ± 0.611	64.9 ± 1	2.09	102	0.68
Chloride	mg/l	28.2 ± 0.219	28.5 ± 2.1	1.07	101	0.08
El. conductivity (25°C)	µS/cm	498 ± 1.43	507.5 ± 9	6.48	102	0.51
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.15 ± 0.1	0.0122	109	0.06
Total hardness	mmol/l	2.2 ± 0.0157	2.22 ± 0.4	0.0595	101	0.02

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	2.71 ± 0.06	0.252	89.2	-2.14
Hydrogen carbonate	mg/l	217 ± 1.49	191.6 ± 12	4.7	88.4	-1.05
Potassium	mg/l	2.43 ± 0.0361	2.85 ± 0.2	0.121	117	1.05
Magnesium	mg/l	14.6 ± 0.152	14.48 ± 1.6	0.523	99	-0.04
Sodium	mg/l	17.4 ± 0.211	18.26 ± 0.2	0.715	105	1.89
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 2.1	0.611	101	0.03
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.068 ± 0.006	0.00423	108	0.41
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.12 ± 0.12	0.0111	98.1	-0.01
pH-value	-	8.13 ± 0.0204	8.18 ± 0.06	0.13	101	0.45
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.83 ± 2.1	1.02	100	0.01
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.14 ± 0.2	0.0725	87.9	-1.08

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.43 ± 0.07	0.21	111	1.63



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	<0.1 (LOQ) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	60.02 ± 3.45	2.15	98.3	-0.47
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.16 ± 0.12	0.094	98.5	-0.18
Magnesium	mg/l	18.2 ± 0.188	17.42 ± 0.7	0.651	95.9	-1.16
Sodium	mg/l	6.75 ± 0.0891	6.71 ± 0.37	0.292	99.4	-0.15
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.82 ± 0.02	0.126	99.6	-0.22
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.65 ± 0.02	0.0525	102	0.95

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

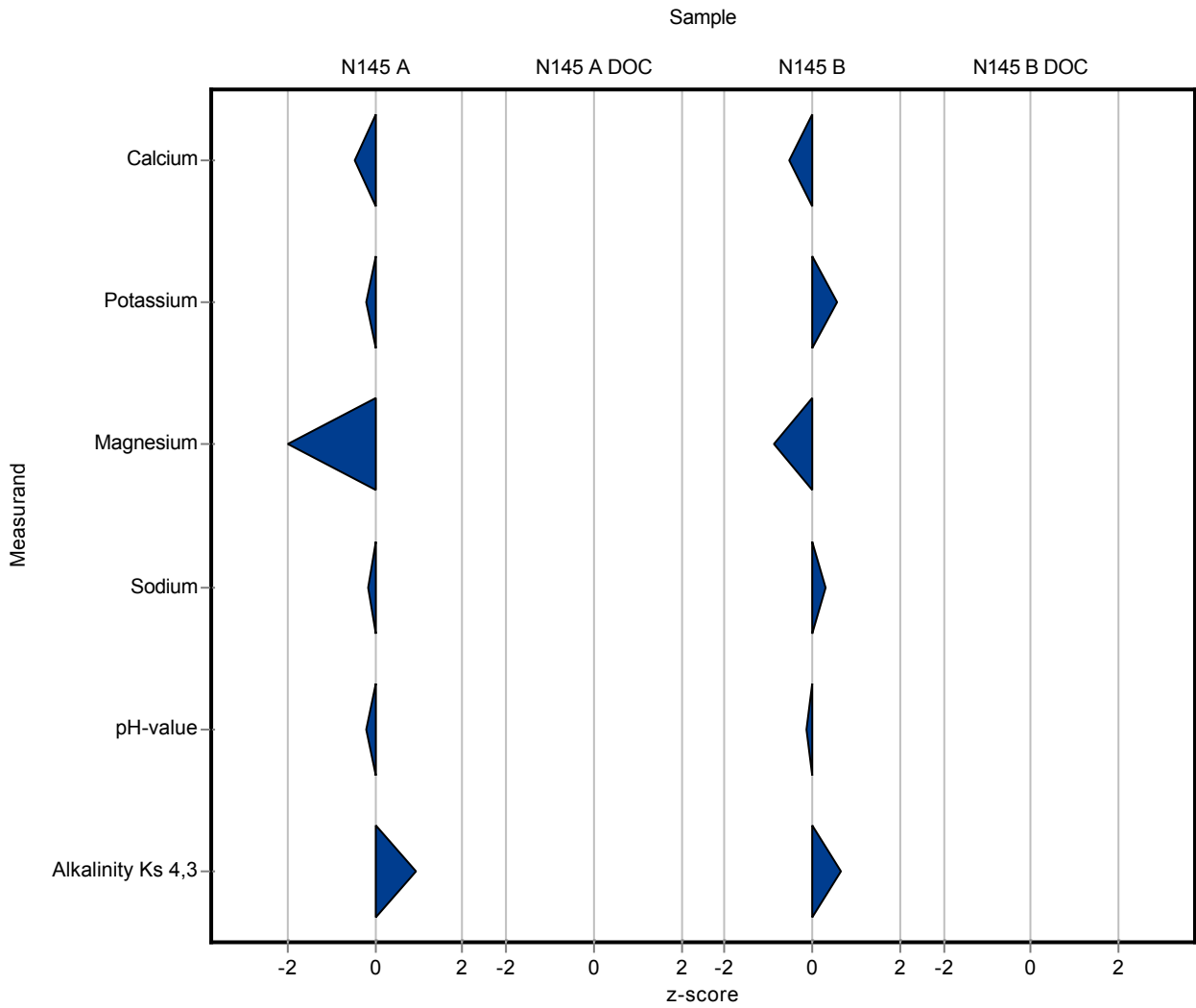
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	<0.1 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.4 ± 3.8	2.09	98.3	-0.52
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.63	0.121	103	0.58
Magnesium	mg/l	14.6 ± 0.152	14.17 ± 0.74	0.523	96.9	-0.86
Sodium	mg/l	17.4 ± 0.211	17.61 ± 0.92	0.715	101	0.29
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.11 ± 0.02	0.13	99.8	-0.12
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.62 ± 0.02	0.0725	101	0.65

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	<0.1 (LOQ) ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	60.02 ± 3.45	2.15	98.3	-0.15
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.16 ± 0.12	0.094	98.5	-0.07
Magnesium	mg/l	18.2 ± 0.188	17.42 ± 0.7	0.651	95.9	-0.53
Sodium	mg/l	6.75 ± 0.0891	6.71 ± 0.37	0.292	99.4	-0.06
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.82 ± 0.02	0.126	99.6	-0.56
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.65 ± 0.02	0.0525	102	1.17

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

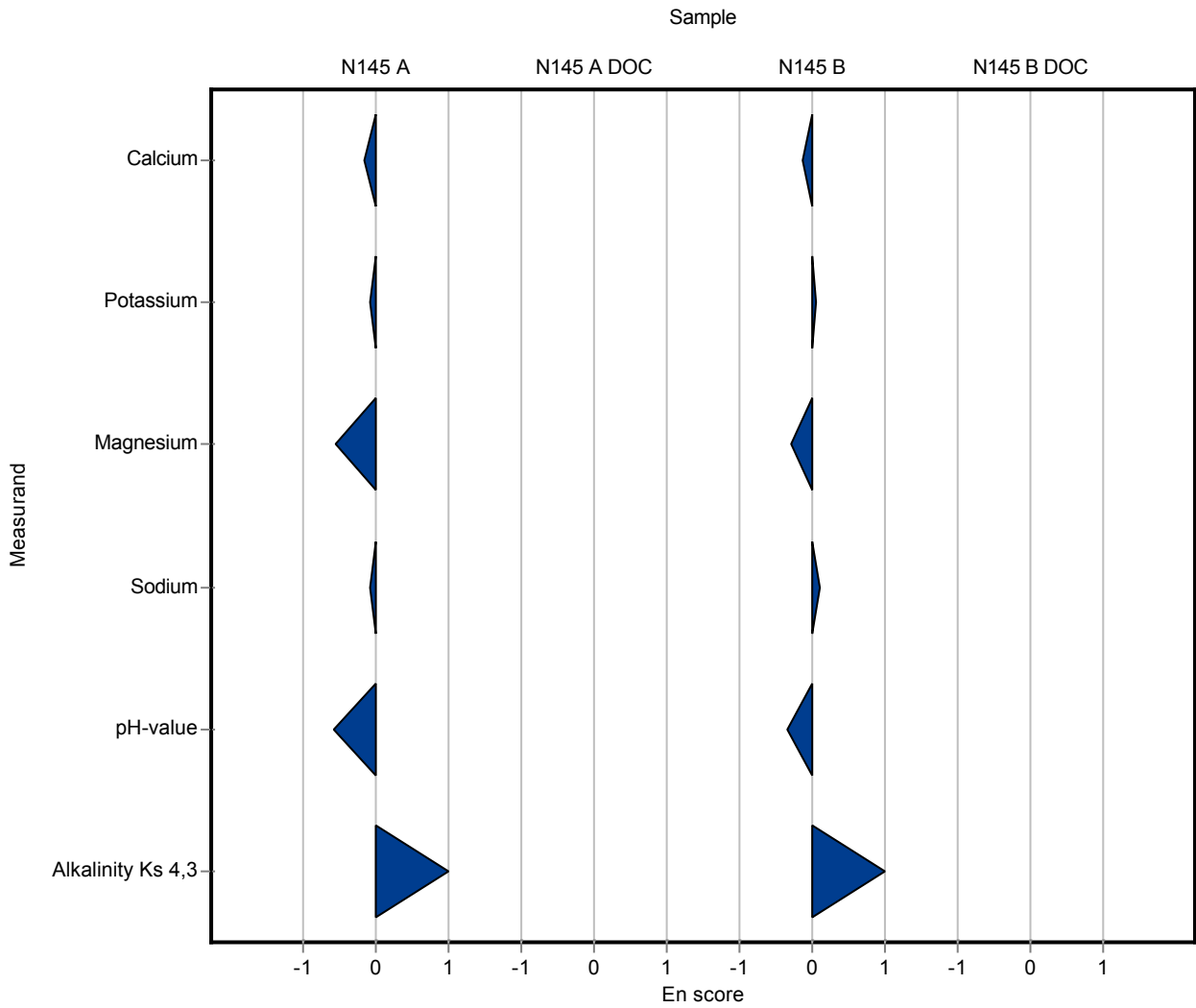
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	<0.1 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.4 ± 3.8	2.09	98.3	-0.14
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.63	0.121	103	0.06
Magnesium	mg/l	14.6 ± 0.152	14.17 ± 0.74	0.523	96.9	-0.30
Sodium	mg/l	17.4 ± 0.211	17.61 ± 0.92	0.715	101	0.11
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.11 ± 0.02	0.13	99.8	-0.35
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.62 ± 0.02	0.0725	101	1.05

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	0.0221 ± 0.0018	0.00212	104	0.42
Calcium	mg/l	61 ± 0.622	58.0396 ± 1.205	2.15	95.1	-1.39
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± -	6.25	100	-0.02
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± -	0.0618	100	0.16
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.2881 ± 0.1571	0.094	109	1.18
Magnesium	mg/l	18.2 ± 0.188	17.2611 ± 0.6344	0.651	95	-1.40
Sodium	mg/l	6.75 ± 0.0891	6.7221 ± 0.1443	0.292	99.5	-0.11
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.2 ± -	0.0162	112	1.33
pH-value	-	7.85 ± 0.0288	7.8 ± -	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± -	0.0525	99.6	-0.20

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

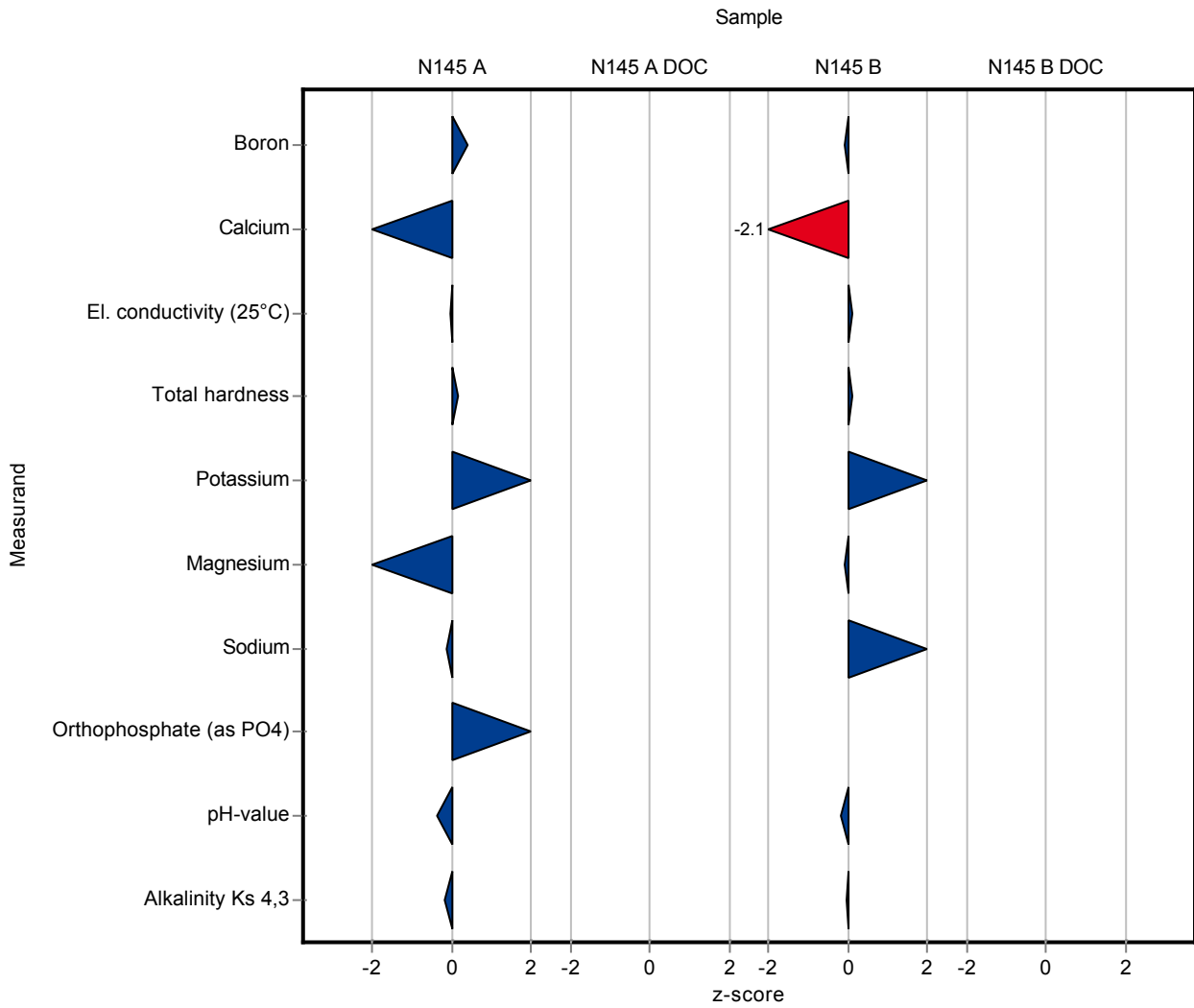
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	0.0154 ± 0.0019	0.00155	99.3	-0.07
Calcium	mg/l	63.5 ± 0.611	59.1613 ± 1.2092	2.09	93.2	-2.06
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± -	6.48	100	0.11
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.211 ± -	0.0595	100	0.13

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.5743 ± 0.1428	0.121	106	1.19
Magnesium	mg/l	14.6 ± 0.152	14.5659 ± 0.6545	0.523	99.6	-0.10
Sodium	mg/l	17.4 ± 0.211	18.189 ± 0.7107	0.715	105	1.10
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	<0.2 (LOQ) ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.1 ± -	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.57 ± -	0.0725	99.9	-0.04

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	0.0221 ± 0.0018	0.00212	104	0.25
Calcium	mg/l	61 ± 0.622	58.0396 ± 1.205	2.15	95.1	-1.20
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	481 ± -	6.25	100	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	2.3 ± -	0.0618	100	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	1.2881 ± 0.1571	0.094	109	0.35
Magnesium	mg/l	18.2 ± 0.188	17.2611 ± 0.6344	0.651	95	-0.71
Sodium	mg/l	6.75 ± 0.0891	6.7221 ± 0.1443	0.292	99.5	-0.10
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.2 ± -	0.0162	112	-
pH-value	-	7.85 ± 0.0288	7.8 ± -	0.126	99.4	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.59 ± -	0.0525	99.6	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

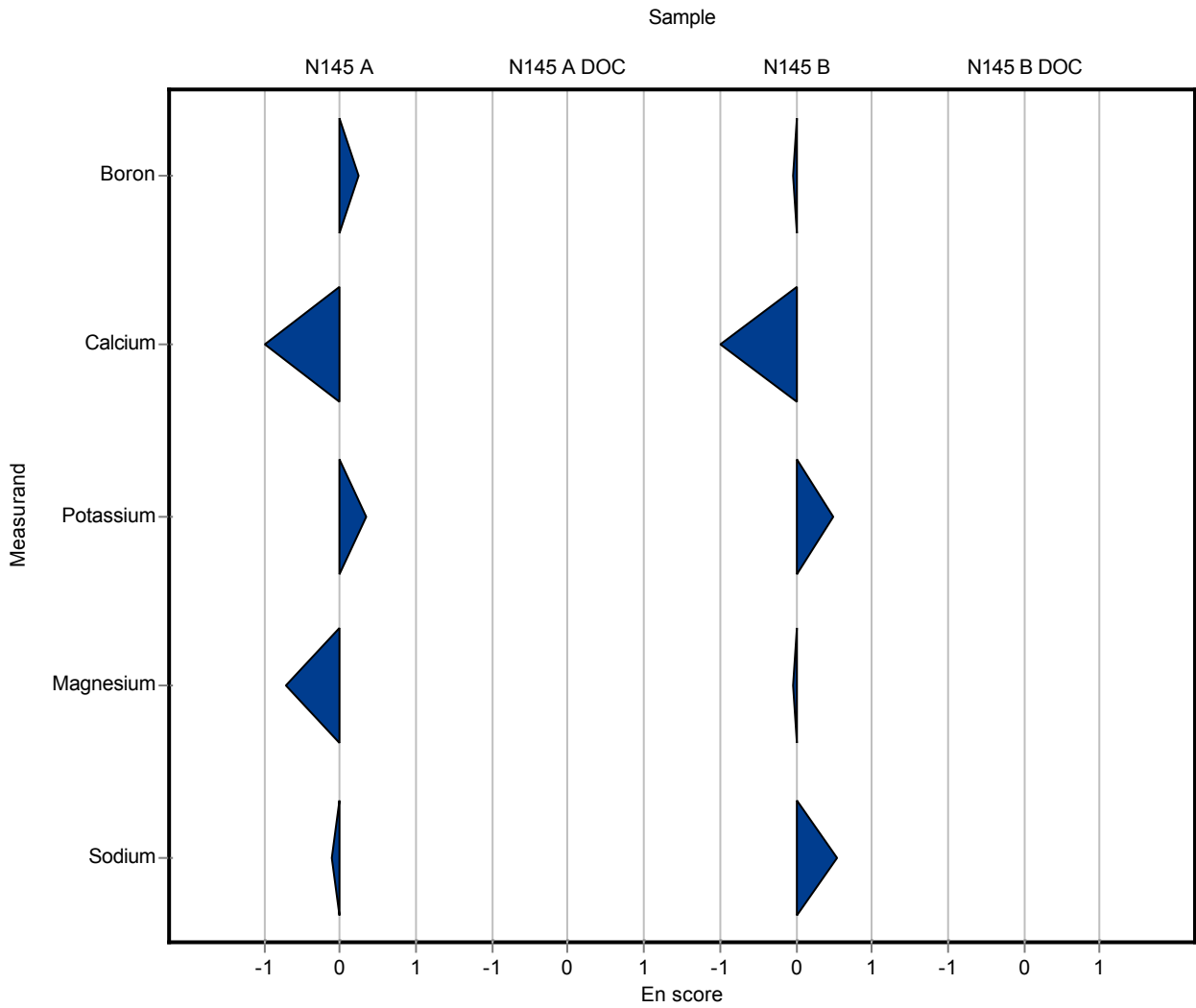
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	0.0154 ± 0.0019	0.00155	99.3	-0.03
Calcium	mg/l	63.5 ± 0.611	59.1613 ± 1.2092	2.09	93.2	-1.73
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	499 ± -	6.48	100	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	2.211 ± -	0.0595	100	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	2.5743 ± 0.1428	0.121	106	0.50
Magnesium	mg/l	14.6 ± 0.152	14.5659 ± 0.6545	0.523	99.6	-0.04
Sodium	mg/l	17.4 ± 0.211	18.189 ± 0.7107	0.715	105	0.55
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	<0.2 (LOQ) ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.1 ± -	0.13	99.7	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.57 ± -	0.0725	99.9	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.077 ± 0.003	0.0137	90.2	-0.61
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	57.21 ± 1.1	2.15	93.7	-1.78
Chloride	mg/l	21.7 ± 0.152	21.43 ± 0.2	0.825	98.7	-0.34
El. conductivity (25°C)	µS/cm	481 ± 1.57	482.3 ± 2	6.25	100	0.19
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.593 ± 0.005	0.0577	91.4	-0.96
Total hardness	mmol/l	2.29 ± 0.0172	2.185 ± 0.04	0.0618	95.4	-1.70
Total nitrogen	mg/l	7.48 ± 0.238	7.53 ± 0.36	0.628	101	0.08
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	18.07 ± 0.3	0.651	99.4	-0.16
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.28 ± 0.3	1.58	97.3	-0.55
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.181 ± 0.03	0.00998	96.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.184 ± 0.002	0.0162	103	0.35
pH-value	-	7.85 ± 0.0288	7.83 ± 0.01	0.126	99.8	-0.14
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.81 ± 0.5	1.89	97.7	-0.70
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.7 ± 0.06	0.0525	104	1.90

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.6 ± 0.05	0.133	103	0.15

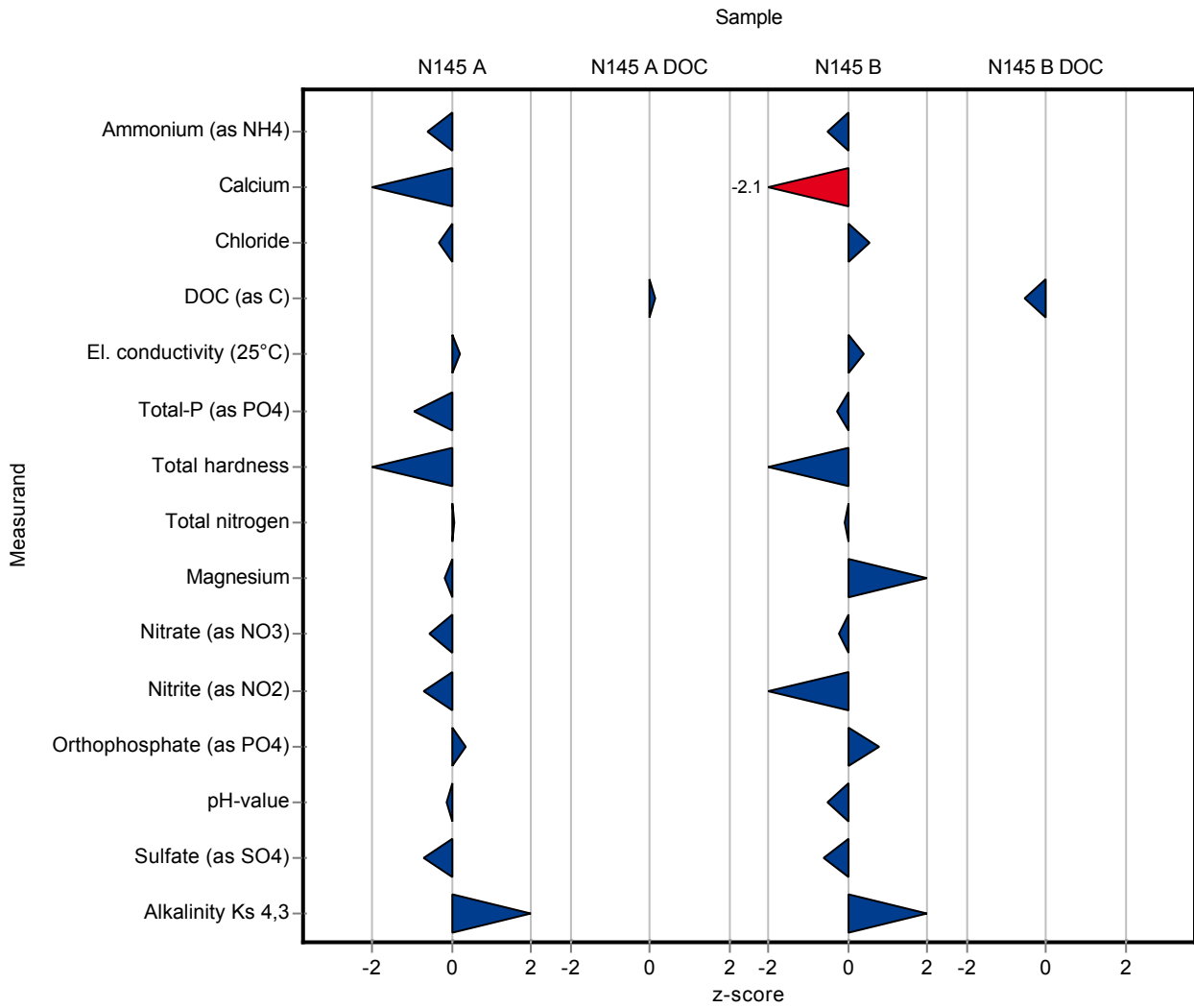
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.082 ± 0.003	0.0143	92	-0.50
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	58.98 ± 1.2	2.09	92.9	-2.15
Chloride	mg/l	28.2 ± 0.219	28.74 ± 0.3	1.07	102	0.53
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 2	6.48	101	0.42
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.134 ± 0.002	0.0122	97.6	-0.27
Total hardness	mmol/l	2.2 ± 0.0157	2.106 ± 0.04	0.0595	95.6	-1.64

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.02 ± 0.15	0.252	99.4	-0.07
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	15.43 ± 0.2	0.523	106	1.55
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.33 ± 0.12	0.611	98.9	-0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.058 ± 0.05	0.00423	92	-1.20
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.131 ± 0.002	0.0111	107	0.78
pH-value	-	8.13 ± 0.0204	8.06 ± 0.01	0.13	99.2	-0.51
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.16 ± 0.3	1.02	98	-0.61
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.71 ± 0.07	0.0725	104	1.89

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.07 ± 0.05	0.21	94.8	-0.54



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.077 ± 0.003	0.0137	90.2	-1.30
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	57.21 ± 1.1	2.15	93.7	-1.67
Chloride	mg/l	21.7 ± 0.152	21.43 ± 0.2	0.825	98.7	-0.66
El. conductivity (25°C)	µS/cm	481 ± 1.57	482.3 ± 2	6.25	100	0.27
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.593 ± 0.005	0.0577	91.4	-3.59
Total hardness	mmol/l	2.29 ± 0.0172	2.185 ± 0.04	0.0618	95.4	-1.29
Total nitrogen	mg/l	7.48 ± 0.238	7.53 ± 0.36	0.628	101	0.07
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	18.07 ± 0.3	0.651	99.4	-0.16
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.28 ± 0.3	1.58	97.3	-1.34
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.181 ± 0.03	0.00998	96.1	-0.12
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.184 ± 0.002	0.0162	103	1.06
pH-value	-	7.85 ± 0.0288	7.83 ± 0.01	0.126	99.8	-0.51
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55.81 ± 0.5	1.89	97.7	-1.16
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.7 ± 0.06	0.0525	104	0.82

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.6 ± 0.05	0.133	103	0.18

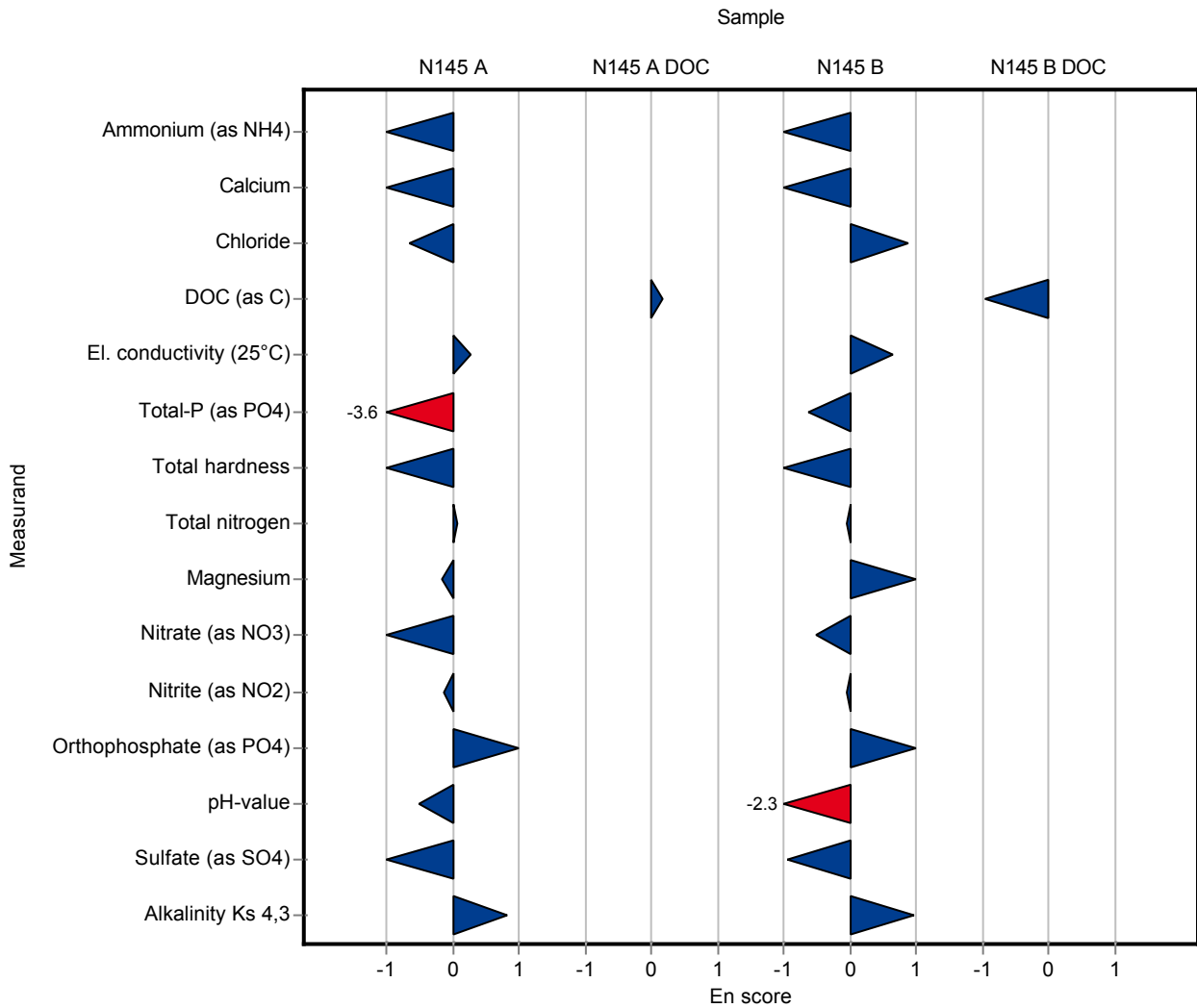
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.082 ± 0.003	0.0143	92	-1.01
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	58.98 ± 1.2	2.09	92.9	-1.82
Chloride	mg/l	28.2 ± 0.219	28.74 ± 0.3	1.07	102	0.88
El. conductivity (25°C)	µS/cm	498 ± 1.43	501 ± 2	6.48	101	0.64
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.134 ± 0.002	0.0122	97.6	-0.63
Total hardness	mmol/l	2.2 ± 0.0157	2.106 ± 0.04	0.0595	95.6	-1.20

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.02 ± 0.15	0.252	99.4	-0.05
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	15.43 ± 0.2	0.523	106	1.89
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.33 ± 0.12	0.611	98.9	-0.50
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.058 ± 0.05	0.00423	92	-0.05
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.131 ± 0.002	0.0111	107	1.67
pH-value	-	8.13 ± 0.0204	8.06 ± 0.01	0.13	99.2	-2.30
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.16 ± 0.3	1.02	98	-0.94
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.71 ± 0.07	0.0725	104	0.97

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.07 ± 0.05	0.21	94.8	-0.97



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.07 ± 0.02	0.0137	82	-1.12
Boron	mg/l	0.0212 ± 0.000599	0.019 ± 0.004	0.00212	89.6	-1.04
Calcium	mg/l	61 ± 0.622	60.9 ± 7	2.15	99.8	-0.06
Chloride	mg/l	21.7 ± 0.152	21 ± 2	0.825	96.7	-0.87
El. conductivity (25°C)	µS/cm	481 ± 1.57	457 ± 25	6.25	95	-3.86
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.664 ± 0.1	0.0577	102	0.27
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.3	0.0618	98.2	-0.65
Total nitrogen	mg/l	7.48 ± 0.238	7.3 ± 0.8	0.628	97.6	-0.29
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± 10	3.36	102	0.85
Potassium	mg/l	1.18 ± 0.028	1.17 ± 0.2	0.094	99.4	-0.08
Magnesium	mg/l	18.2 ± 0.188	18.1 ± 2	0.651	99.6	-0.11
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.7	0.292	101	0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31 ± 4	1.58	96.4	-0.73
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.178 ± 0.2	0.00998	94.6	-1.03
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	<1 (BG) ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	8.17 ± 0.4	0.126	104	2.57
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	50.7 ± 6	1.89	88.7	-3.41
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.62 ± 0.3	0.0525	101	0.38

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.66 ± 0.7	0.133	114	0.60

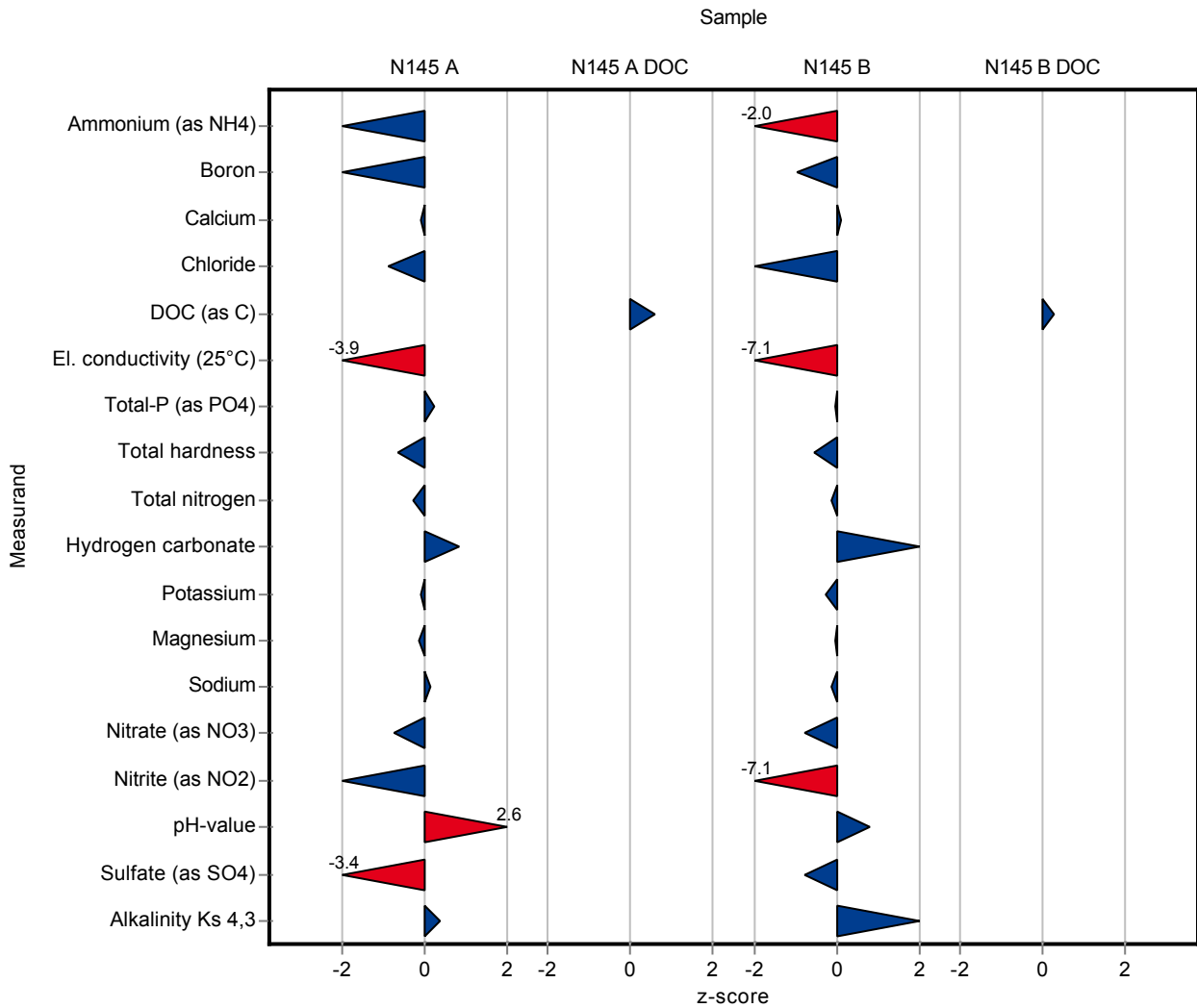
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.06 ± 0.02	0.0143	67.3	-2.04
Boron	mg/l	0.0155 ± 0.000684	0.014 ± 0.004	0.00155	90.3	-0.97
Calcium	mg/l	63.5 ± 0.611	63.7 ± 7	2.09	100	0.10
Chloride	mg/l	28.2 ± 0.219	27 ± 3	1.07	95.8	-1.10
El. conductivity (25°C)	µS/cm	498 ± 1.43	452 ± 25	6.48	90.7	-7.15
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.137 ± 0.2	0.0122	99.8	-0.02
Total hardness	mmol/l	2.2 ± 0.0157	2.17 ± 0.3	0.0595	98.5	-0.56

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3 ± 0.3	0.252	98.8	-0.15
Hydrogen carbonate	mg/l	217 ± 1.49	223 ± 10	4.7	103	1.33
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.3	0.121	98.8	-0.25
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 2	0.523	99.9	-0.04
Sodium	mg/l	17.4 ± 0.211	17.3 ± 2	0.715	99.4	-0.15
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 2	0.611	96.3	-0.76
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.033 ± 0.004	0.00423	52.3	-7.11
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	<1 (LOQ) ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.23 ± 0.4	0.13	101	0.80
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30 ± 3	1.02	97.5	-0.77
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.66 ± 0.4	0.0725	102	1.20

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.24 ± 0.3	0.21	103	0.27



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.07 ± 0.02	0.0137	82	-0.38
Boron	mg/l	0.0212 ± 0.000599	0.019 ± 0.004	0.00212	89.6	-0.27
Calcium	mg/l	61 ± 0.622	60.9 ± 7	2.15	99.8	-0.01
Chloride	mg/l	21.7 ± 0.152	21 ± 2	0.825	96.7	-0.18
El. conductivity (25°C)	µS/cm	481 ± 1.57	457 ± 25	6.25	95	-0.48
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.664 ± 0.1	0.0577	102	0.08
Total hardness	mmol/l	2.29 ± 0.0172	2.25 ± 0.3	0.0618	98.2	-0.07
Total nitrogen	mg/l	7.48 ± 0.238	7.3 ± 0.8	0.628	97.6	-0.11
Hydrogen carbonate	mg/l	157 ± 1.09	160 ± 10	3.36	102	0.14
Potassium	mg/l	1.18 ± 0.028	1.17 ± 0.2	0.094	99.4	-0.02
Magnesium	mg/l	18.2 ± 0.188	18.1 ± 2	0.651	99.6	-0.02
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.7	0.292	101	0.03
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31 ± 4	1.58	96.4	-0.14
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.178 ± 0.2	0.00998	94.6	-0.03
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	<1 (LOQ) ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	8.17 ± 0.4	0.126	104	0.40
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	50.7 ± 6	1.89	88.7	-0.54
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.62 ± 0.3	0.0525	101	0.03

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.66 ± 0.7	0.133	114	0.06

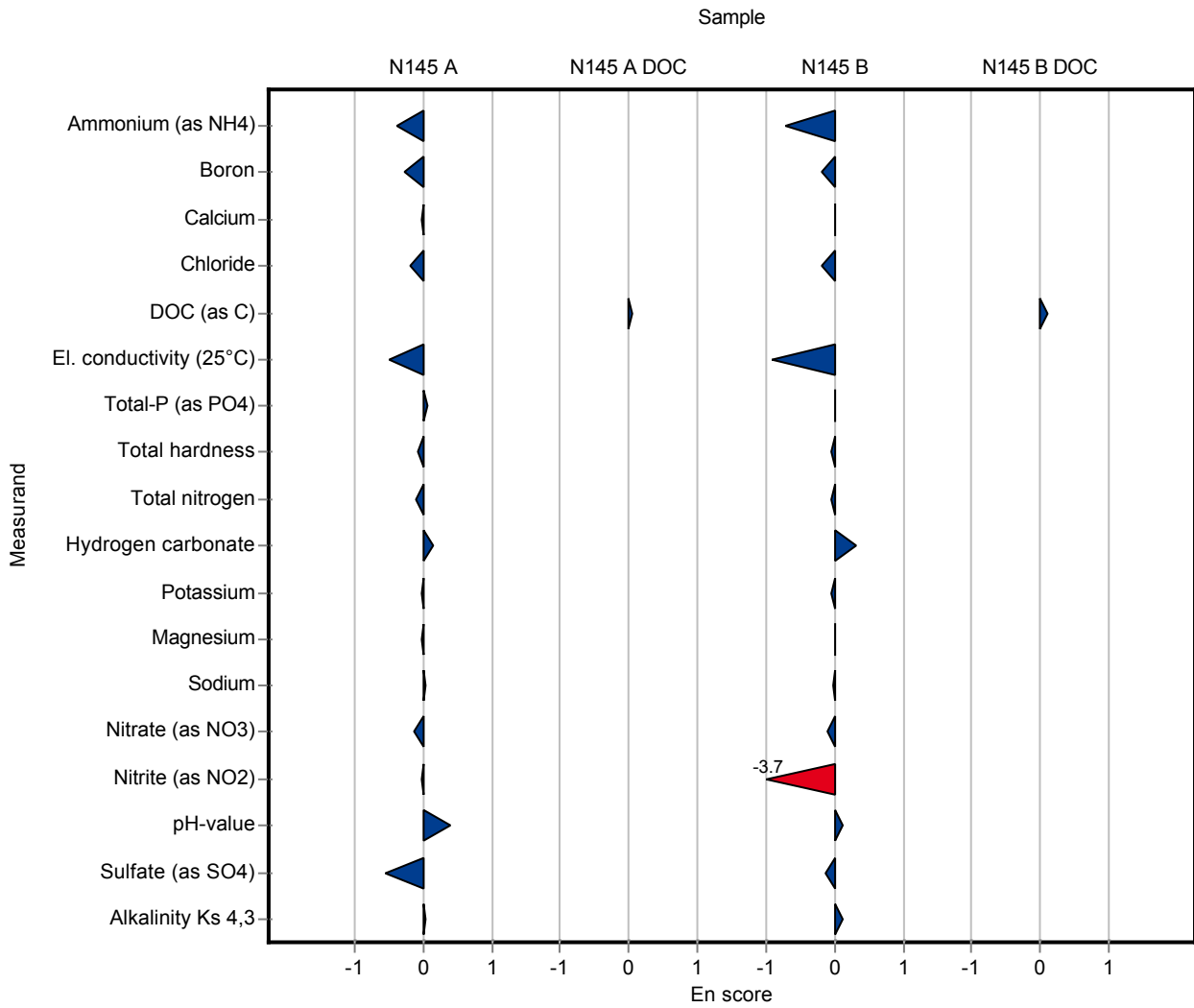
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.06 ± 0.02	0.0143	67.3	-0.72
Boron	mg/l	0.0155 ± 0.000684	0.014 ± 0.004	0.00155	90.3	-0.19
Calcium	mg/l	63.5 ± 0.611	63.7 ± 7	2.09	100	0.02
Chloride	mg/l	28.2 ± 0.219	27 ± 3	1.07	95.8	-0.20
El. conductivity (25°C)	µS/cm	498 ± 1.43	452 ± 25	6.48	90.7	-0.93
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.137 ± 0.2	0.0122	99.8	0.00
Total hardness	mmol/l	2.2 ± 0.0157	2.17 ± 0.3	0.0595	98.5	-0.06

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3 ± 0.3	0.252	98.8	-0.06
Hydrogen carbonate	mg/l	217 ± 1.49	223 ± 10	4.7	103	0.31
Potassium	mg/l	2.43 ± 0.0361	2.4 ± 0.3	0.121	98.8	-0.05
Magnesium	mg/l	14.6 ± 0.152	14.6 ± 2	0.523	99.9	0.00
Sodium	mg/l	17.4 ± 0.211	17.3 ± 2	0.715	99.4	-0.03
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12 ± 2	0.611	96.3	-0.12
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.033 ± 0.004	0.00423	52.3	-3.71
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	<1 (LOQ) ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.23 ± 0.4	0.13	101	0.13
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30 ± 3	1.02	97.5	-0.13
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.66 ± 0.4	0.0725	102	0.11

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.24 ± 0.3	0.21	103	0.09



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0747 ± 0.0052	0.0137	87.5	-0.78
Boron	mg/l	0.0212 ± 0.000599	0.0227 ± 0.0028	0.00212	107	0.71
Calcium	mg/l	61 ± 0.622	59.85 ± 2.73	2.15	98.1	-0.55
Chloride	mg/l	21.7 ± 0.152	21.37 ± 1.43	0.825	98.4	-0.42
El. conductivity (25°C)	µS/cm	481 ± 1.57	479.3 ± 14.4	6.25	99.6	-0.29
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.6989 ± 0.04	0.0577	108	0.87
Total hardness	mmol/l	2.29 ± 0.0172	2.226 ± 0.18	0.0618	97.2	-1.04
Total nitrogen	mg/l	7.48 ± 0.238	7.902 ± 1.29	0.628	106	0.67
Hydrogen carbonate	mg/l	157 ± 1.09	160.7 ± 7.71	3.36	102	1.06
Potassium	mg/l	1.18 ± 0.028	1.313 ± 0.094	0.094	112	1.44
Magnesium	mg/l	18.2 ± 0.188	17.75 ± 1.46	0.651	97.7	-0.65
Sodium	mg/l	6.75 ± 0.0891	7.786 ± 0.55	0.292	115	3.53
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.35 ± 0.73	1.58	97.5	-0.51
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.183 ± 0.018	0.00998	97.2	-0.53
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.1527 ± 0.011	0.0162	85.6	-1.58
pH-value	-	7.85 ± 0.0288	7.635 ± 0.038	0.126	97.3	-1.69
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.86 ± 1.88	1.89	99.5	-0.14
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.634 ± 0.126	0.0525	101	0.64

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.674 ± 0.108	0.133	116	0.70

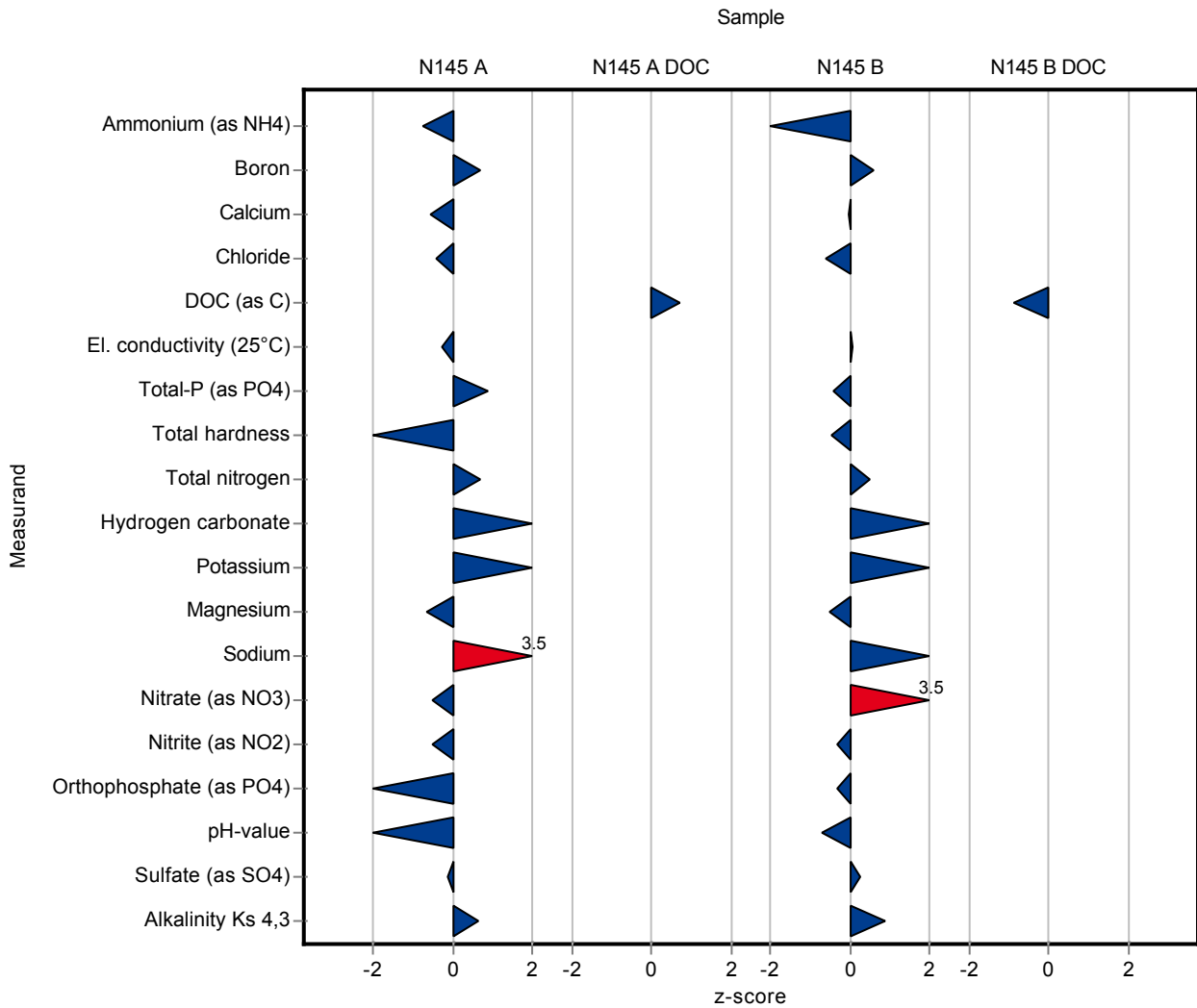
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0635 ± 0.0044	0.0143	71.3	-1.80
Boron	mg/l	0.0155 ± 0.000684	0.01643 ± 0.002	0.00155	106	0.60
Calcium	mg/l	63.5 ± 0.611	63.39 ± 2.89	2.09	99.9	-0.04
Chloride	mg/l	28.2 ± 0.219	27.5 ± 1.85	1.07	97.6	-0.63
El. conductivity (25°C)	µS/cm	498 ± 1.43	498.7 ± 15	6.48	100	0.06
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1322 ± 0.0075	0.0122	96.3	-0.42
Total hardness	mmol/l	2.2 ± 0.0157	2.175 ± 0.179	0.0595	98.7	-0.48

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.165 ± 0.517	0.252	104	0.51
Hydrogen carbonate	mg/l	217 ± 1.49	221.9 ± 10.7	4.7	102	1.10
Potassium	mg/l	2.43 ± 0.0361	2.555 ± 0.183	0.121	105	1.03
Magnesium	mg/l	14.6 ± 0.152	14.35 ± 1.18	0.523	98.2	-0.52
Sodium	mg/l	17.4 ± 0.211	18.57 ± 1.31	0.715	107	1.63
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	14.6 ± 0.34	0.611	117	3.50
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06167 ± 0.0062	0.00423	97.8	-0.33
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1188 ± 0.0082	0.0111	97.1	-0.31
pH-value	-	8.13 ± 0.0204	8.036 ± 0.04	0.13	98.9	-0.69
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.05 ± 1.03	1.02	101	0.27
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.636 ± 0.175	0.0725	102	0.87

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.995 ± 0.318	0.21	91.4	-0.90



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0747 ± 0.0052	0.0137	87.5	-1.00
Boron	mg/l	0.0212 ± 0.000599	0.0227 ± 0.0028	0.00212	107	0.27
Calcium	mg/l	61 ± 0.622	59.85 ± 2.73	2.15	98.1	-0.22
Chloride	mg/l	21.7 ± 0.152	21.37 ± 1.43	0.825	98.4	-0.12
El. conductivity (25°C)	µS/cm	481 ± 1.57	479.3 ± 14.4	6.25	99.6	-0.06
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.6989 ± 0.04	0.0577	108	0.62
Total hardness	mmol/l	2.29 ± 0.0172	2.226 ± 0.18	0.0618	97.2	-0.18
Total nitrogen	mg/l	7.48 ± 0.238	7.902 ± 1.29	0.628	106	0.16
Hydrogen carbonate	mg/l	157 ± 1.09	160.7 ± 7.71	3.36	102	0.23
Potassium	mg/l	1.18 ± 0.028	1.313 ± 0.094	0.094	112	0.71
Magnesium	mg/l	18.2 ± 0.188	17.75 ± 1.46	0.651	97.7	-0.14
Sodium	mg/l	6.75 ± 0.0891	7.786 ± 0.55	0.292	115	0.94
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.35 ± 0.73	1.58	97.5	-0.54
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.183 ± 0.018	0.00998	97.2	-0.15
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.1527 ± 0.011	0.0162	85.6	-1.15
pH-value	-	7.85 ± 0.0288	7.635 ± 0.038	0.126	97.3	-2.62
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.86 ± 1.88	1.89	99.5	-0.07
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.634 ± 0.126	0.0525	101	0.13

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.674 ± 0.108	0.133	116	0.42

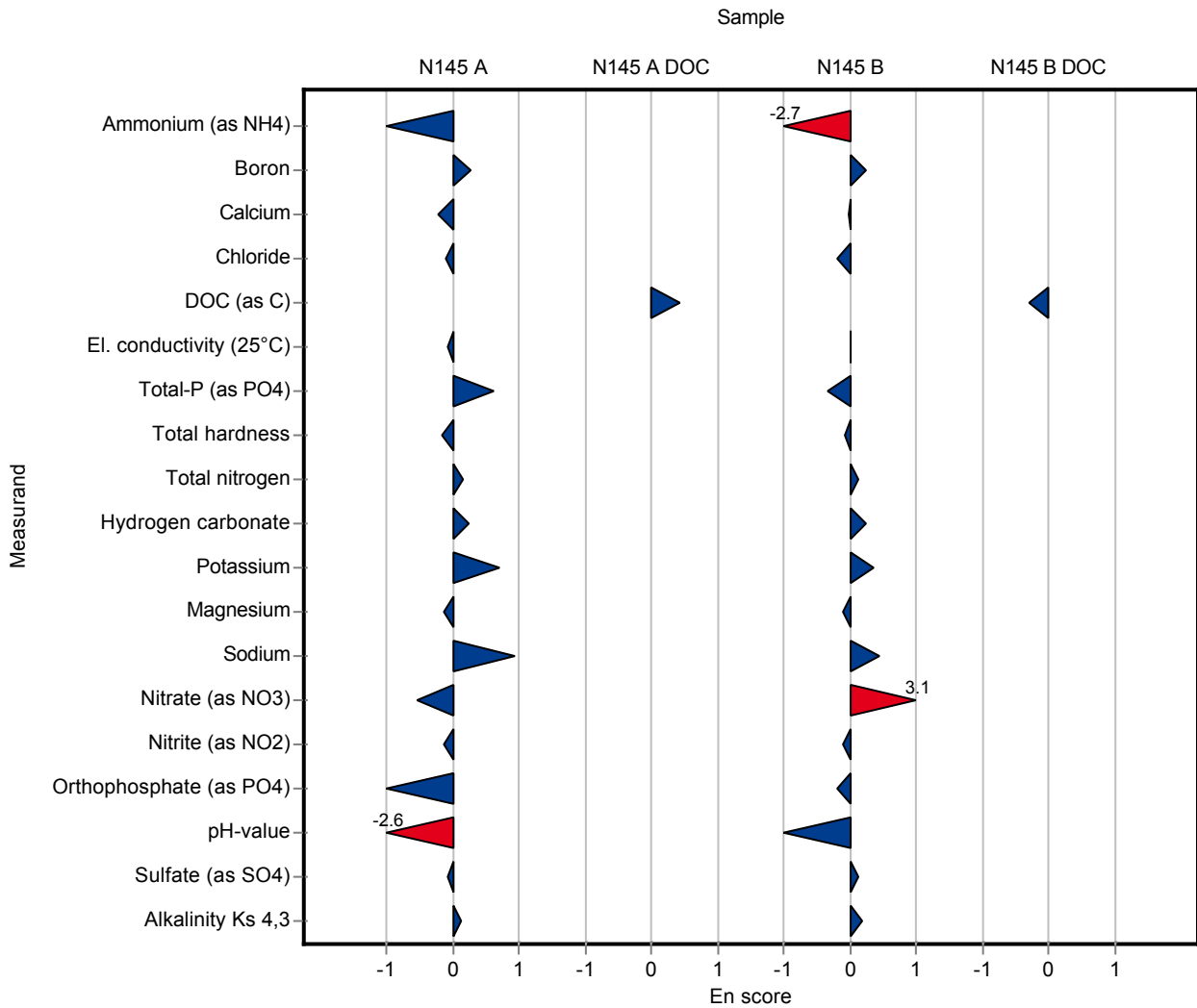
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0635 ± 0.0044	0.0143	71.3	-2.68
Boron	mg/l	0.0155 ± 0.000684	0.01643 ± 0.002	0.00155	106	0.23
Calcium	mg/l	63.5 ± 0.611	63.39 ± 2.89	2.09	99.9	-0.02
Chloride	mg/l	28.2 ± 0.219	27.5 ± 1.85	1.07	97.6	-0.18
El. conductivity (25°C)	µS/cm	498 ± 1.43	498.7 ± 15	6.48	100	0.01
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1322 ± 0.0075	0.0122	96.3	-0.33
Total hardness	mmol/l	2.2 ± 0.0157	2.175 ± 0.179	0.0595	98.7	-0.08

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	3.165 ± 0.517	0.252	104	0.12
Hydrogen carbonate	mg/l	217 ± 1.49	221.9 ± 10.7	4.7	102	0.24
Potassium	mg/l	2.43 ± 0.0361	2.555 ± 0.183	0.121	105	0.34
Magnesium	mg/l	14.6 ± 0.152	14.35 ± 1.18	0.523	98.2	-0.11
Sodium	mg/l	17.4 ± 0.211	18.57 ± 1.31	0.715	107	0.44
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	14.6 ± 0.34	0.611	117	3.10
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06167 ± 0.0062	0.00423	97.8	-0.11
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1188 ± 0.0082	0.0111	97.1	-0.21
pH-value	-	8.13 ± 0.0204	8.036 ± 0.04	0.13	98.9	-1.09
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31.05 ± 1.03	1.02	101	0.13
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.636 ± 0.175	0.0725	102	0.18

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	1.995 ± 0.318	0.21	91.4	-0.29



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.51 ± 0.321	0.0137	598	31.10
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	59.97 ± 0.2	2.15	98.3	-0.49
Chloride	mg/l	21.7 ± 0.152	24.64 ± 2.38	0.825	113	3.55
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± -	6.25	99.8	-0.18
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	640.52 ± 1.8	0.0577	98700	11100.00
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	121.02 ± 0.35	3.36	77	-10.70
Potassium	mg/l	1.18 ± 0.028	7.59 ± 0.04	0.094	645	68.20
Magnesium	mg/l	18.2 ± 0.188	17.68 ± 0.13	0.651	97.3	-0.76
Sodium	mg/l	6.75 ± 0.0891	7.12 ± 0.24	0.292	105	1.25
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.06 ± 0.23	1.58	96.6	-0.69
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.18 ± 0.01	0.00998	95.6	-0.83
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.86 ± 0.73	0.0162	482	42.00
pH-value	-	7.85 ± 0.0288	7.77 ± -	0.126	99	-0.62
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	63.12 ± 0.18	1.89	110	3.18
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.75 ± 0.1	0.133	129	1.27

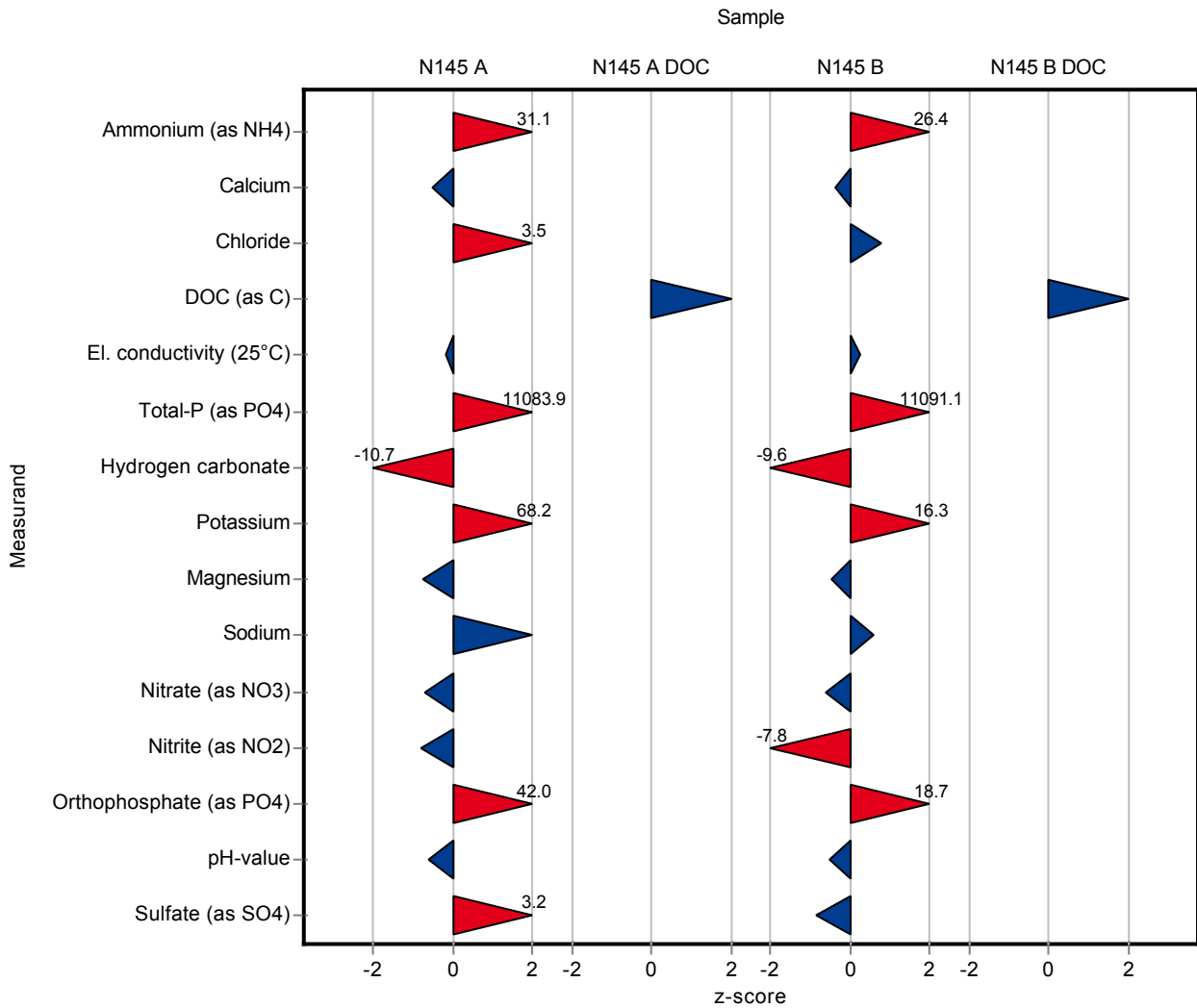
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.465 ± 0.281	0.0143	522	26.40
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.66 ± 0.37	2.09	98.7	-0.39
Chloride	mg/l	28.2 ± 0.219	29.03 ± 0.11	1.07	103	0.80
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± -	6.48	100	0.26
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	135.67 ± 0.66	0.0122	98800	11100.00
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	171.76 ± 1.06	4.7	79.2	-9.56
Potassium	mg/l	2.43 ± 0.0361	4.4 ± 0.13	0.121	181	16.30
Magnesium	mg/l	14.6 ± 0.152	14.37 ± 0.09	0.523	98.3	-0.48
Sodium	mg/l	17.4 ± 0.211	17.84 ± 0.09	0.715	103	0.61
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.09 ± 0.18	0.611	97	-0.61
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.03 ± -	0.00423	47.6	-7.82
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.33 ± 0.02	0.0111	270	18.70
pH-value	-	8.13 ± 0.0204	8.06 ± 0.01	0.13	99.2	-0.51
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.93 ± 0.03	1.02	97.2	-0.83
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.49 ± 0.21	0.21	114	1.47



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.51 ± 0.321	0.0137	598	0.66
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	59.97 ± 0.2	2.15	98.3	-1.44
Chloride	mg/l	21.7 ± 0.152	24.64 ± 2.38	0.825	113	0.61
El. conductivity (25°C)	µS/cm	481 ± 1.57	480 ± -	6.25	99.8	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	640.52 ± 1.8	0.0577	98700	178.00
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	121.02 ± 0.35	3.36	77	-27.90
Potassium	mg/l	1.18 ± 0.028	7.59 ± 0.04	0.094	645	75.70
Magnesium	mg/l	18.2 ± 0.188	17.68 ± 0.13	0.651	97.3	-1.53
Sodium	mg/l	6.75 ± 0.0891	7.12 ± 0.24	0.292	105	0.75
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.06 ± 0.23	1.58	96.6	-2.09
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.18 ± 0.01	0.00998	95.6	-0.41
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.86 ± 0.73	0.0162	482	0.47
pH-value	-	7.85 ± 0.0288	7.77 ± -	0.126	99	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	63.12 ± 0.18	1.89	110	9.24
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.75 ± 0.1	0.133	129	0.83

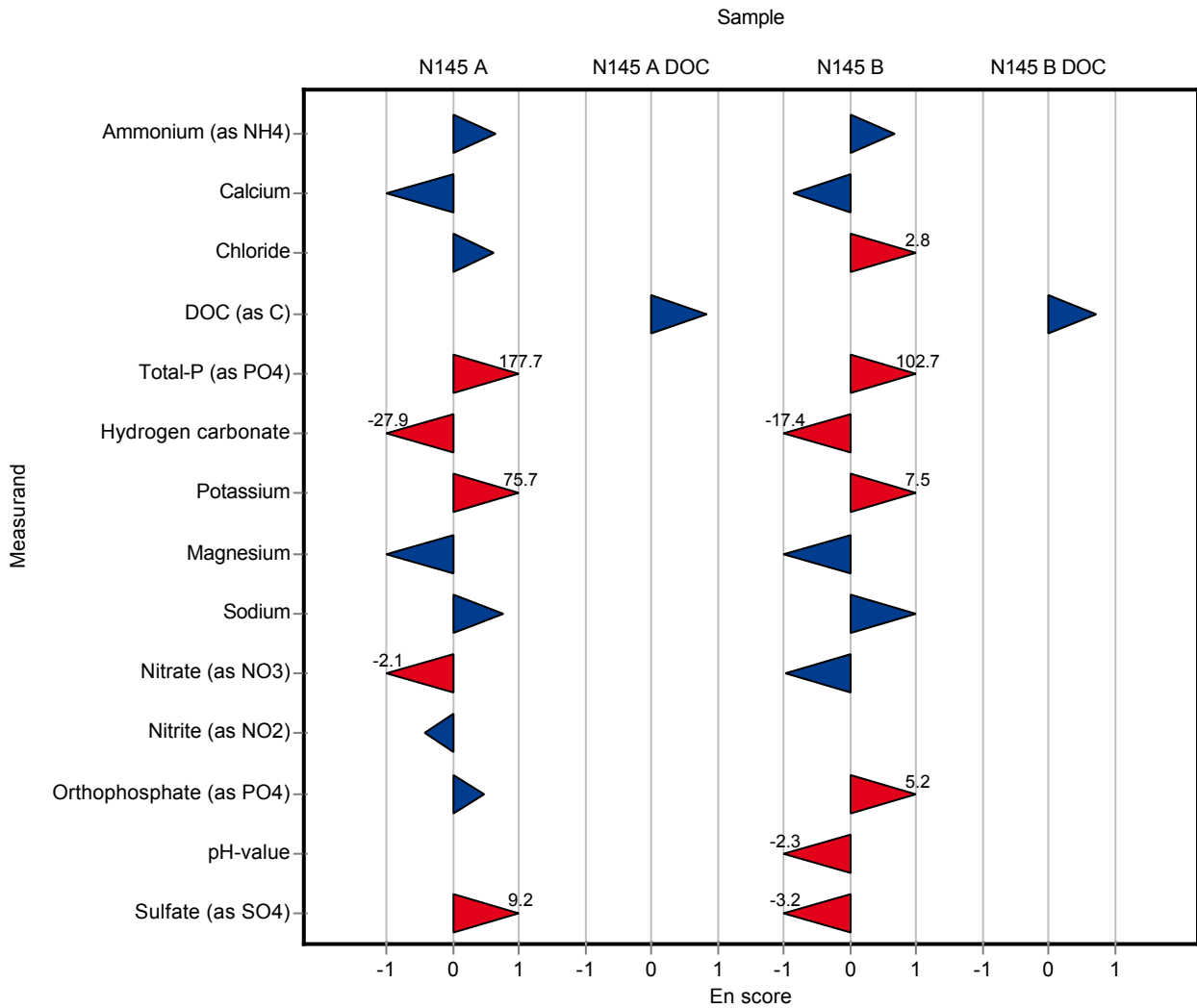
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.465 ± 0.281	0.0143	522	0.67
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62.66 ± 0.37	2.09	98.7	-0.85
Chloride	mg/l	28.2 ± 0.219	29.03 ± 0.11	1.07	103	2.75
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± -	6.48	100	0.00
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	135.67 ± 0.66	0.0122	98800	103.00
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	171.76 ± 1.06	4.7	79.2	-17.40
Potassium	mg/l	2.43 ± 0.0361	4.4 ± 0.13	0.121	181	7.51
Magnesium	mg/l	14.6 ± 0.152	14.37 ± 0.09	0.523	98.3	-1.06
Sodium	mg/l	17.4 ± 0.211	17.84 ± 0.09	0.715	103	1.57
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.09 ± 0.18	0.611	97	-0.99
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.03 ± -	0.00423	47.6	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.33 ± 0.02	0.0111	270	5.17
pH-value	-	8.13 ± 0.0204	8.06 ± 0.01	0.13	99.2	-2.30
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	29.93 ± 0.03	1.02	97.2	-3.17
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.49 ± 0.21	0.21	114	0.72



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0861 ± 0.0024	0.0137	101	0.05
Boron	mg/l	0.0212 ± 0.000599	0.022 ± 0.002	0.00212	104	0.38
Calcium	mg/l	61 ± 0.622	64.8 ± 0.522	2.15	106	1.75
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.08	0.825	101	0.23
El. conductivity (25°C)	µS/cm	481 ± 1.57	468 ± 1.79	6.25	97.3	-2.10
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.6222 ± 0.0149	0.0577	95.9	-0.46
Total hardness	mmol/l	2.29 ± 0.0172	2.37 ± 0.018	0.0618	103	1.29
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 3.11	3.36	99.3	-0.34
Potassium	mg/l	1.18 ± 0.028	1.18 ± 0.049	0.094	100	0.03
Magnesium	mg/l	18.2 ± 0.188	18.2 ± 0.302	0.651	100	0.04
Sodium	mg/l	6.75 ± 0.0891	6.87 ± 0.29	0.292	102	0.40
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.2 ± 0.16	1.58	100	0.03
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1843 ± 0.0021	0.00998	97.9	-0.40
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 0.0018	0.0162	99.3	-0.08
pH-value	-	7.85 ± 0.0288	7.8 ± 0.08	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.6 ± 0.56	1.89	99.1	-0.28
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.1	0.0525	100	-0.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<0.5 (LOQ) ± -	0.133	-	-

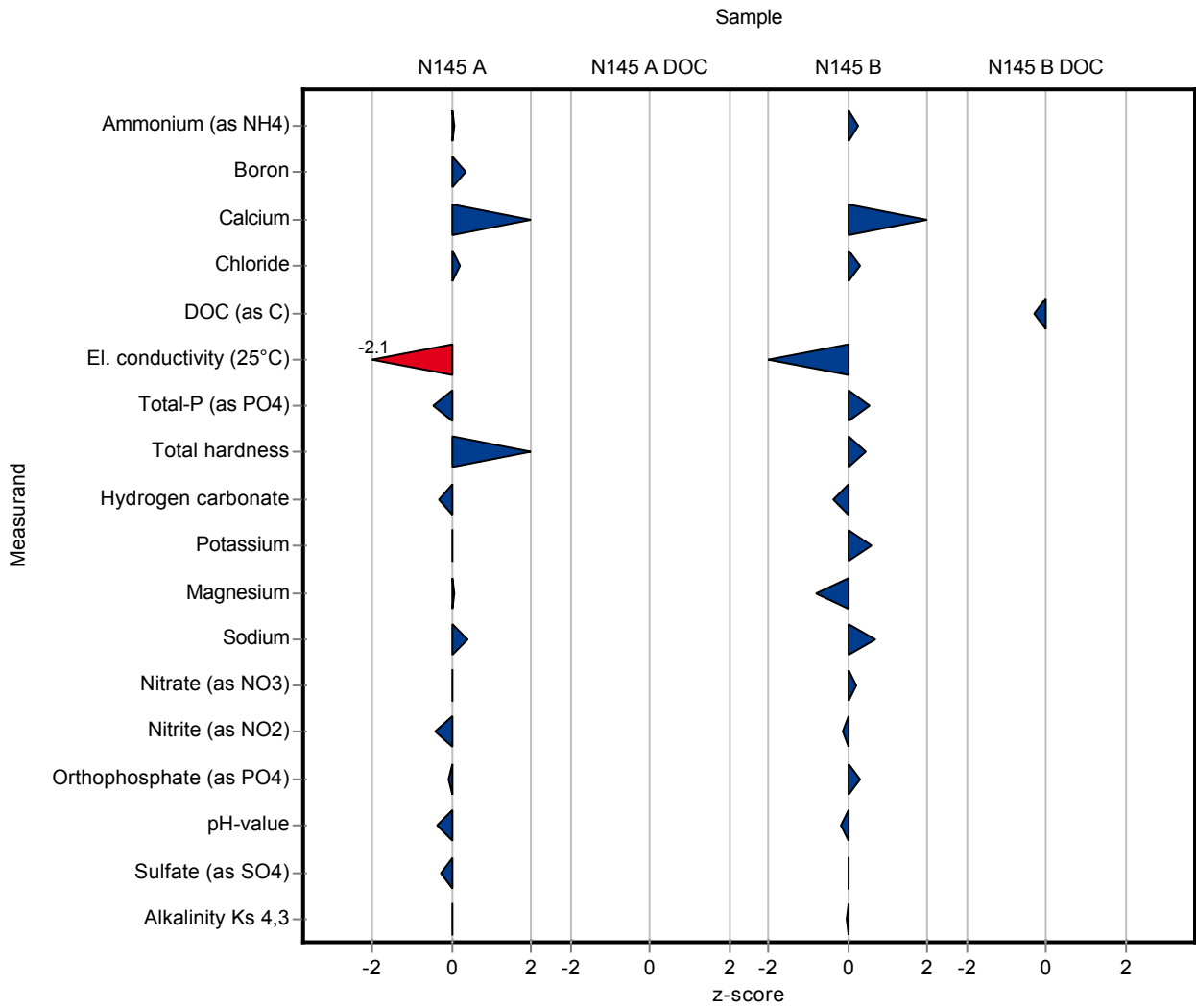
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0927 ± 0.0025	0.0143	104	0.25
Boron	mg/l	0.0155 ± 0.000684	<0.02 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66 ± 0.522	2.09	104	1.20
Chloride	mg/l	28.2 ± 0.219	28.5 ± 0.07	1.07	101	0.30
El. conductivity (25°C)	µS/cm	498 ± 1.43	488 ± 3.63	6.48	97.9	-1.59
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1442 ± 0.003	0.0122	105	0.56
Total hardness	mmol/l	2.2 ± 0.0157	2.23 ± 0.019	0.0595	101	0.45

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	215 ± 4.3	4.7	99.2	-0.37
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.048	0.121	103	0.58
Magnesium	mg/l	14.6 ± 0.152	14.2 ± 0.325	0.523	97.1	-0.80
Sodium	mg/l	17.4 ± 0.211	17.9 ± 0.259	0.715	103	0.69
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.2	0.611	101	0.22
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0625 ± 0.0019	0.00423	99.1	-0.14
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1257 ± 0.0016	0.0111	103	0.31
pH-value	-	8.13 ± 0.0204	8.1 ± 0.08	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.8 ± 0.28	1.02	100	0.02
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.57 ± 0.12	0.0725	99.9	-0.04

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.12 ± 0.03	0.21	97.1	-0.30



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.0861 ± 0.0024	0.0137	101	0.14
Boron	mg/l	0.0212 ± 0.000599	0.022 ± 0.002	0.00212	104	0.20
Calcium	mg/l	61 ± 0.622	64.8 ± 0.522	2.15	106	3.10
Chloride	mg/l	21.7 ± 0.152	21.9 ± 0.08	0.825	101	0.84
El. conductivity (25°C)	µS/cm	481 ± 1.57	468 ± 1.79	6.25	97.3	-3.36
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.6222 ± 0.0149	0.0577	95.9	-0.83
Total hardness	mmol/l	2.29 ± 0.0172	2.37 ± 0.018	0.0618	103	2.00
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	156 ± 3.11	3.36	99.3	-0.18
Potassium	mg/l	1.18 ± 0.028	1.18 ± 0.049	0.094	100	0.03
Magnesium	mg/l	18.2 ± 0.188	18.2 ± 0.302	0.651	100	0.04
Sodium	mg/l	6.75 ± 0.0891	6.87 ± 0.29	0.292	102	0.20
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32.2 ± 0.16	1.58	100	0.12
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1843 ± 0.0021	0.00998	97.9	-0.86
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 0.0018	0.0162	99.3	-0.26
pH-value	-	7.85 ± 0.0288	7.8 ± 0.08	0.126	99.4	-0.29
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.6 ± 0.56	1.89	99.1	-0.43
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.6 ± 0.1	0.0525	100	0.00

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	<0.5 (LOQ) ± -	0.133	-	-

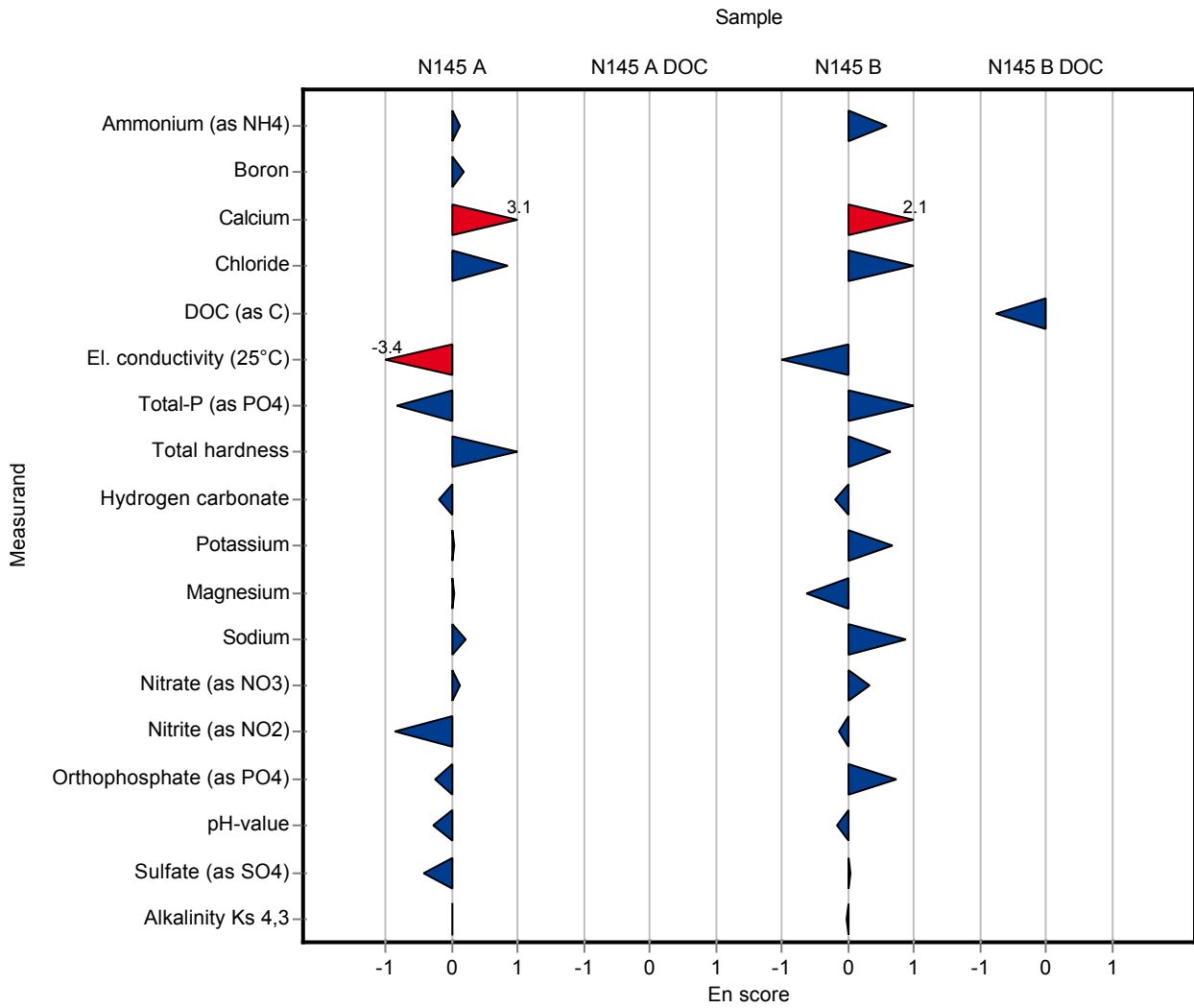
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.0927 ± 0.0025	0.0143	104	0.57
Boron	mg/l	0.0155 ± 0.000684	<0.02 (LOQ) ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	66 ± 0.522	2.09	104	2.08
Chloride	mg/l	28.2 ± 0.219	28.5 ± 0.07	1.07	101	1.24
El. conductivity (25°C)	µS/cm	498 ± 1.43	488 ± 3.63	6.48	97.9	-1.39
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.1442 ± 0.003	0.0122	105	1.00
Total hardness	mmol/l	2.2 ± 0.0157	2.23 ± 0.019	0.0595	101	0.65

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	215 ± 4.3	4.7	99.2	-0.20
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.048	0.121	103	0.68
Magnesium	mg/l	14.6 ± 0.152	14.2 ± 0.325	0.523	97.1	-0.63
Sodium	mg/l	17.4 ± 0.211	17.9 ± 0.259	0.715	103	0.89
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.6 ± 0.2	0.611	101	0.33
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0625 ± 0.0019	0.00423	99.1	-0.14
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.1257 ± 0.0016	0.0111	103	0.74
pH-value	-	8.13 ± 0.0204	8.1 ± 0.08	0.13	99.7	-0.16
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.8 ± 0.28	1.02	100	0.04
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.57 ± 0.12	0.0725	99.9	-0.01

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.12 ± 0.03	0.21	97.1	-0.75



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.9 ± 0.1	0.126	101	0.42
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

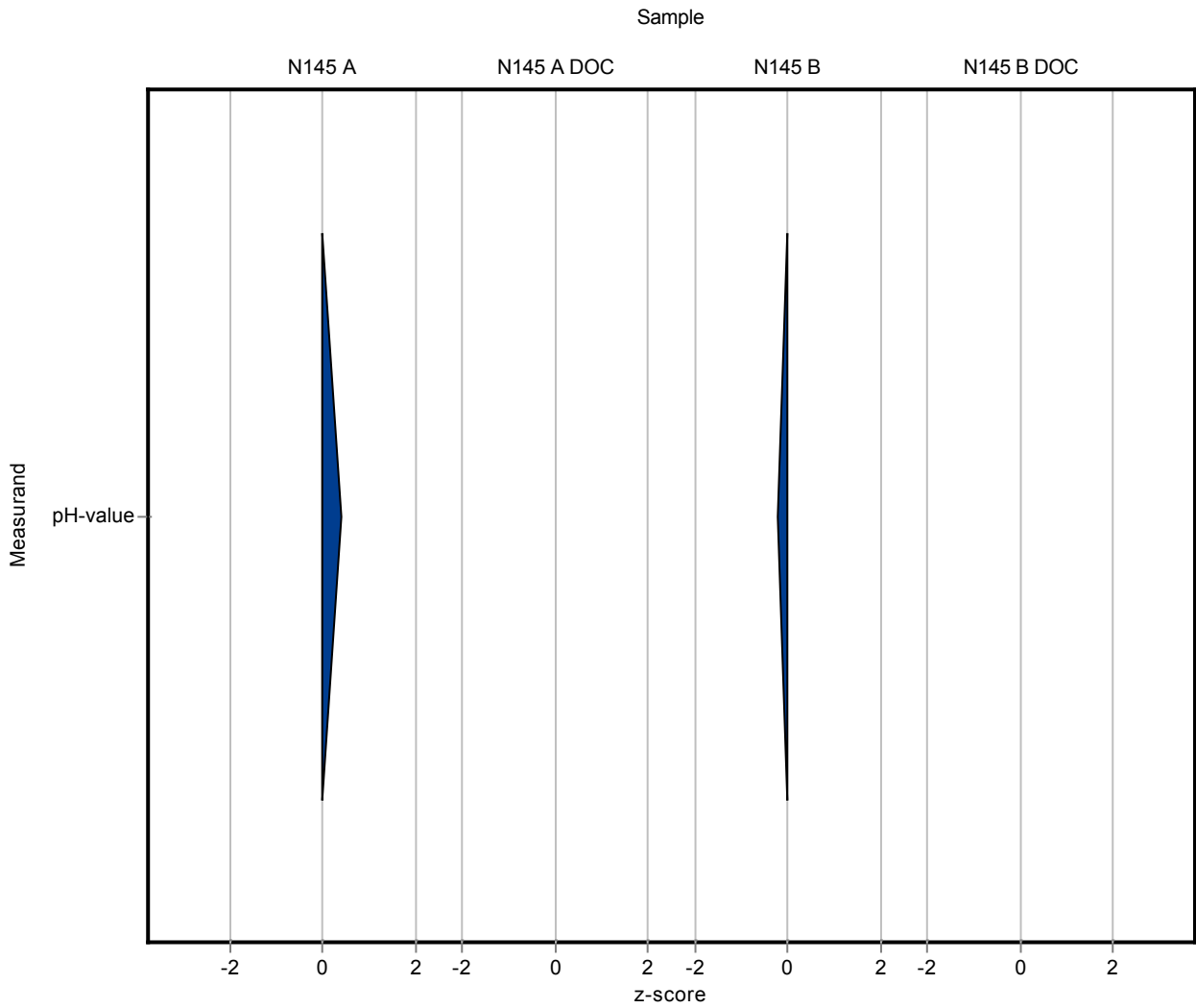
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.1 ± 0.1	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.9 ± 0.1	0.126	101	0.26
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	- ± -	0.0525	-	-

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

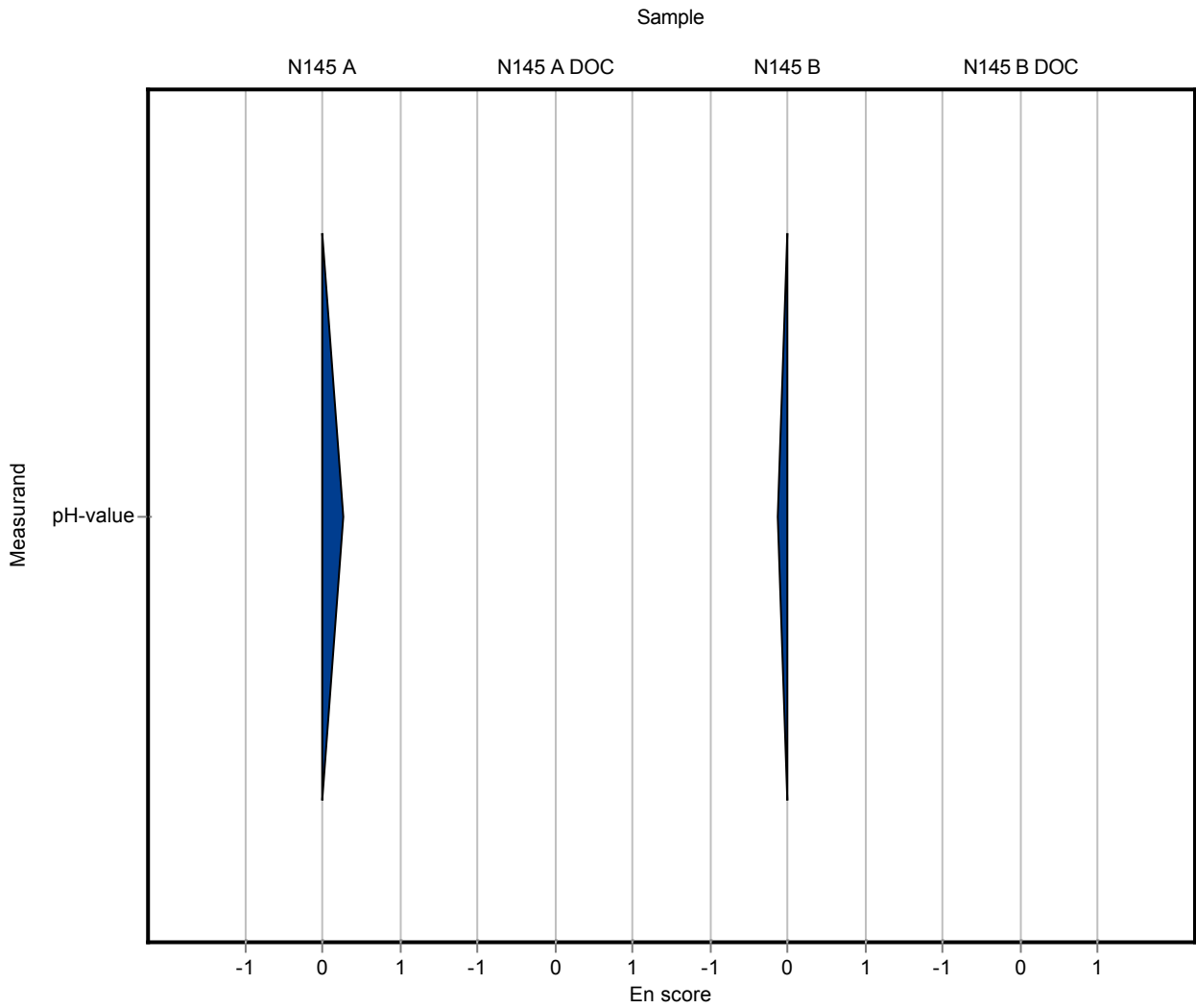
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.1 ± 0.1	0.13	99.7	-0.13
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	- ± -	0.0725	-	-

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.075 ± 0.016	0.0137	87.9	-0.76
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61 ± 2	2.15	99.9	-0.02
Chloride	mg/l	21.7 ± 0.152	21 ± 1	0.825	96.7	-0.87
El. conductivity (25°C)	µS/cm	481 ± 1.57	455.6 ± 3	6.25	94.7	-4.08
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.67 ± 0.05	0.0577	103	0.37
Total hardness	mmol/l	2.29 ± 0.0172	2.24 ± 0.05	0.0618	97.8	-0.81
Total nitrogen	mg/l	7.48 ± 0.238	6.55 ± 5	0.628	87.6	-1.48
Hydrogen carbonate	mg/l	157 ± 1.09	155 ± 10	3.36	98.6	-0.64
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.2	0.094	102	0.24
Magnesium	mg/l	18.2 ± 0.188	19.9 ± 0.4	0.651	110	2.66
Sodium	mg/l	6.75 ± 0.0891	6.9 ± 1	0.292	102	0.50
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 1	1.58	99.5	-0.10
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1835 ± 0.005	0.00998	97.5	-0.48
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.83 ± 0.04	0.126	99.8	-0.14
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55 ± 1.5	1.89	96.3	-1.13
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.549 ± 0.07	0.0525	98	-0.98

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

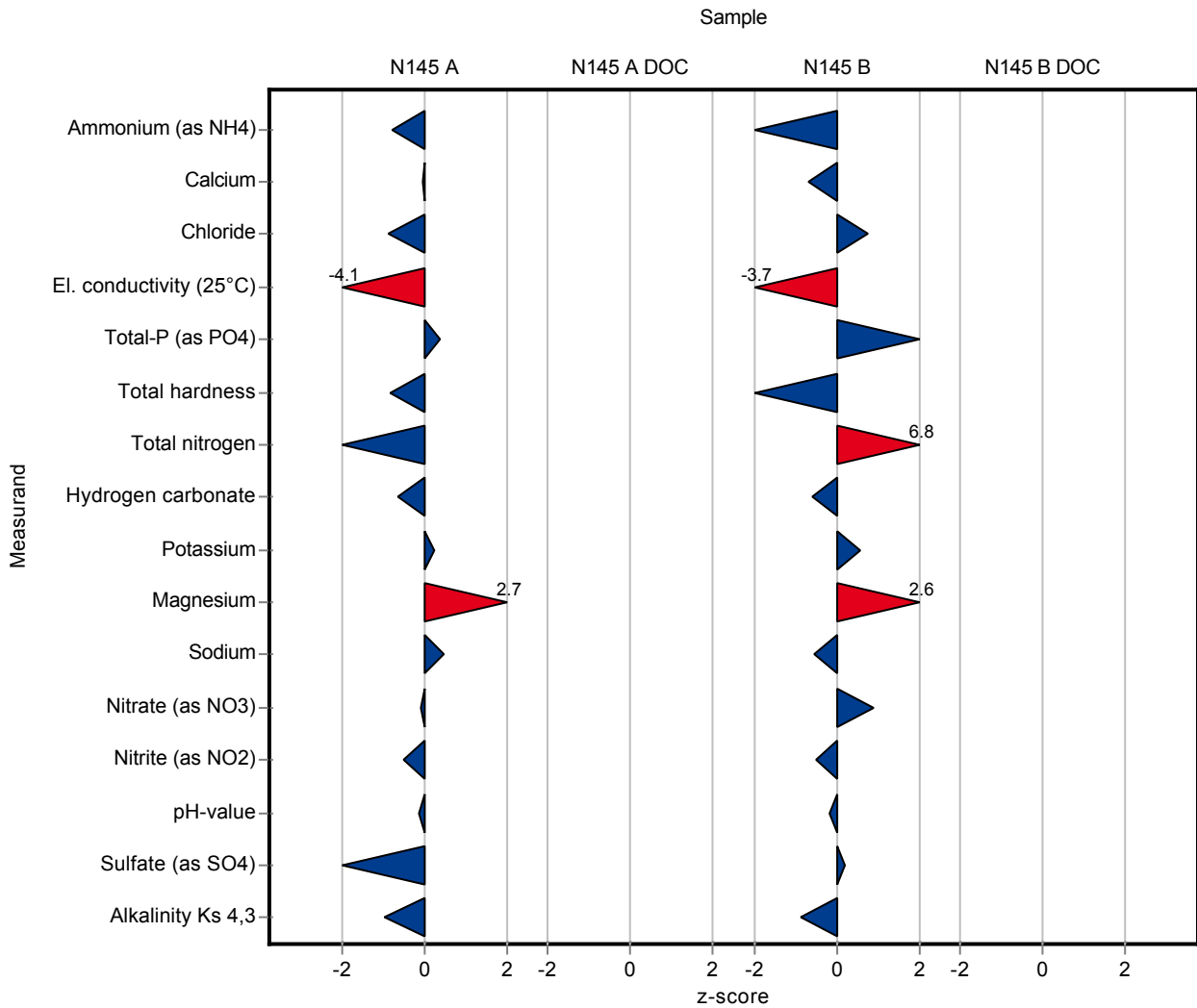
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.072 ± 0.016	0.0143	80.8	-1.20
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62 ± 2	2.09	97.7	-0.71
Chloride	mg/l	28.2 ± 0.219	29 ± 1	1.07	103	0.77
El. conductivity (25°C)	µS/cm	498 ± 1.43	474.3 ± 3	6.48	95.2	-3.70
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.16 ± 0.05	0.0122	117	1.86
Total hardness	mmol/l	2.2 ± 0.0157	2.14 ± 0.05	0.0595	97.1	-1.07

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	4.75 ± 5	0.252	156	6.79
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 10	4.7	98.7	-0.58
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.2	0.121	103	0.58
Magnesium	mg/l	14.6 ± 0.152	16 ± 0.4	0.523	109	2.64
Sodium	mg/l	17.4 ± 0.211	17 ± 1	0.715	97.7	-0.56
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 1	0.611	104	0.88
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.061 ± 0.005	0.00423	96.7	-0.49
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.1 ± 0.04	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31 ± 1.5	1.02	101	0.22
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.511 ± 0.07	0.0725	98.3	-0.85

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.075 ± 0.016	0.0137	87.9	-0.32
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	61 ± 2	2.15	99.9	-0.01
Chloride	mg/l	21.7 ± 0.152	21 ± 1	0.825	96.7	-0.36
El. conductivity (25°C)	µS/cm	481 ± 1.57	455.6 ± 3	6.25	94.7	-4.12
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.67 ± 0.05	0.0577	103	0.21
Total hardness	mmol/l	2.29 ± 0.0172	2.24 ± 0.05	0.0618	97.8	-0.50
Total nitrogen	mg/l	7.48 ± 0.238	6.55 ± 5	0.628	87.6	-0.09
Hydrogen carbonate	mg/l	157 ± 1.09	155 ± 10	3.36	98.6	-0.11
Potassium	mg/l	1.18 ± 0.028	1.2 ± 0.2	0.094	102	0.06
Magnesium	mg/l	18.2 ± 0.188	19.9 ± 0.4	0.651	110	2.10
Sodium	mg/l	6.75 ± 0.0891	6.9 ± 1	0.292	102	0.07
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	32 ± 1	1.58	99.5	-0.08
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.1835 ± 0.005	0.00998	97.5	-0.47
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	7.83 ± 0.04	0.126	99.8	-0.21
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	55 ± 1.5	1.89	96.3	-0.70
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.549 ± 0.07	0.0525	98	-0.36

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

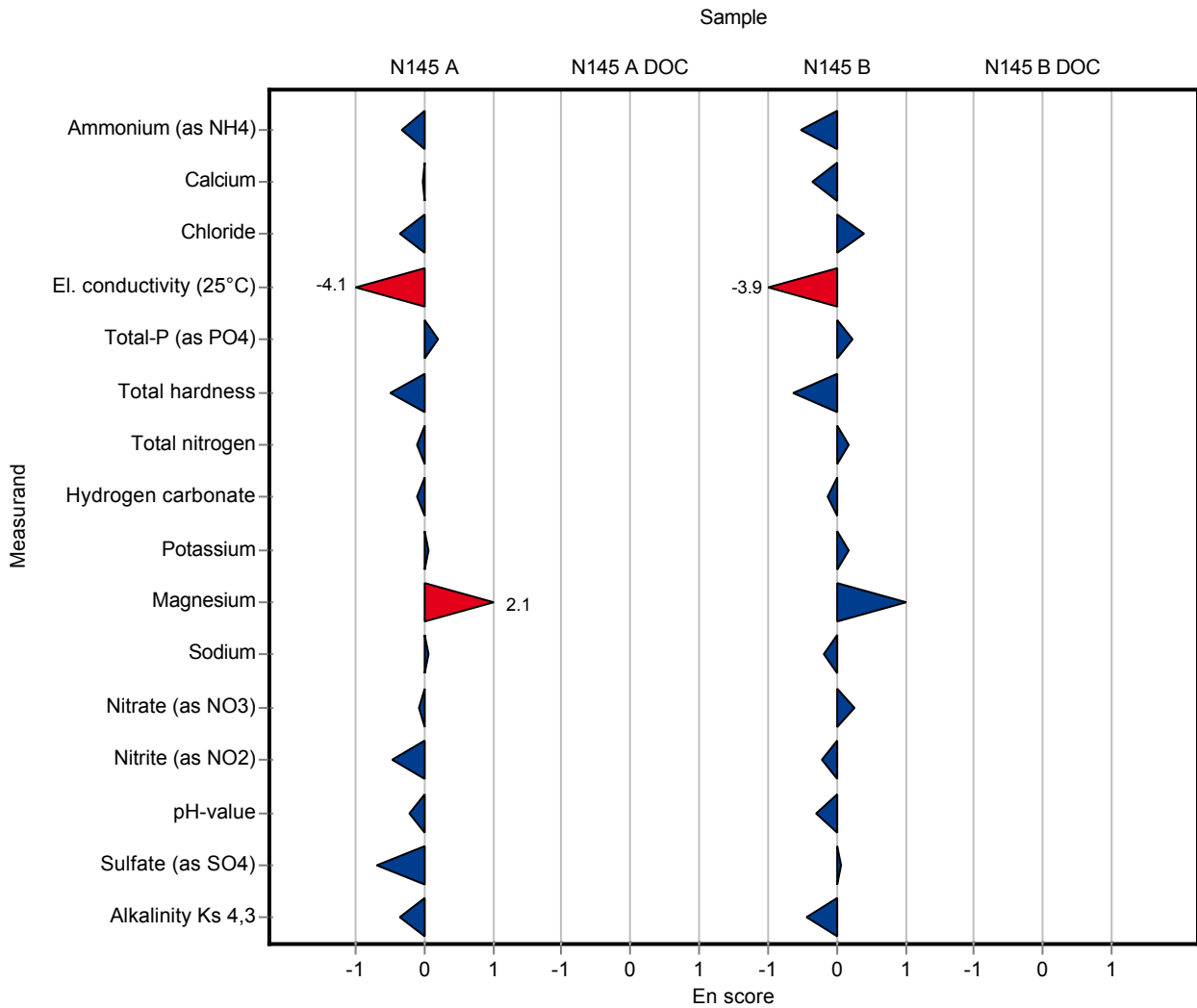
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.072 ± 0.016	0.0143	80.8	-0.53
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	62 ± 2	2.09	97.7	-0.37
Chloride	mg/l	28.2 ± 0.219	29 ± 1	1.07	103	0.41
El. conductivity (25°C)	µS/cm	498 ± 1.43	474.3 ± 3	6.48	95.2	-3.89
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.16 ± 0.05	0.0122	117	0.23
Total hardness	mmol/l	2.2 ± 0.0157	2.14 ± 0.05	0.0595	97.1	-0.63

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	4.75 ± 5	0.252	156	0.17
Hydrogen carbonate	mg/l	217 ± 1.49	214 ± 10	4.7	98.7	-0.14
Potassium	mg/l	2.43 ± 0.0361	2.5 ± 0.2	0.121	103	0.17
Magnesium	mg/l	14.6 ± 0.152	16 ± 0.4	0.523	109	1.69
Sodium	mg/l	17.4 ± 0.211	17 ± 1	0.715	97.7	-0.20
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	13 ± 1	0.611	104	0.27
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.061 ± 0.005	0.00423	96.7	-0.21
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	8.1 ± 0.04	0.13	99.7	-0.31
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	31 ± 1.5	1.02	101	0.07
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.511 ± 0.07	0.0725	98.3	-0.44

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	167 ± 7	3.36	106	2.93
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	18.7 ± 1.9	0.651	103	0.81
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.184 ± 0.01	0.00998	97.7	-0.43
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.74 ± 0.11	0.0525	105	2.66

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

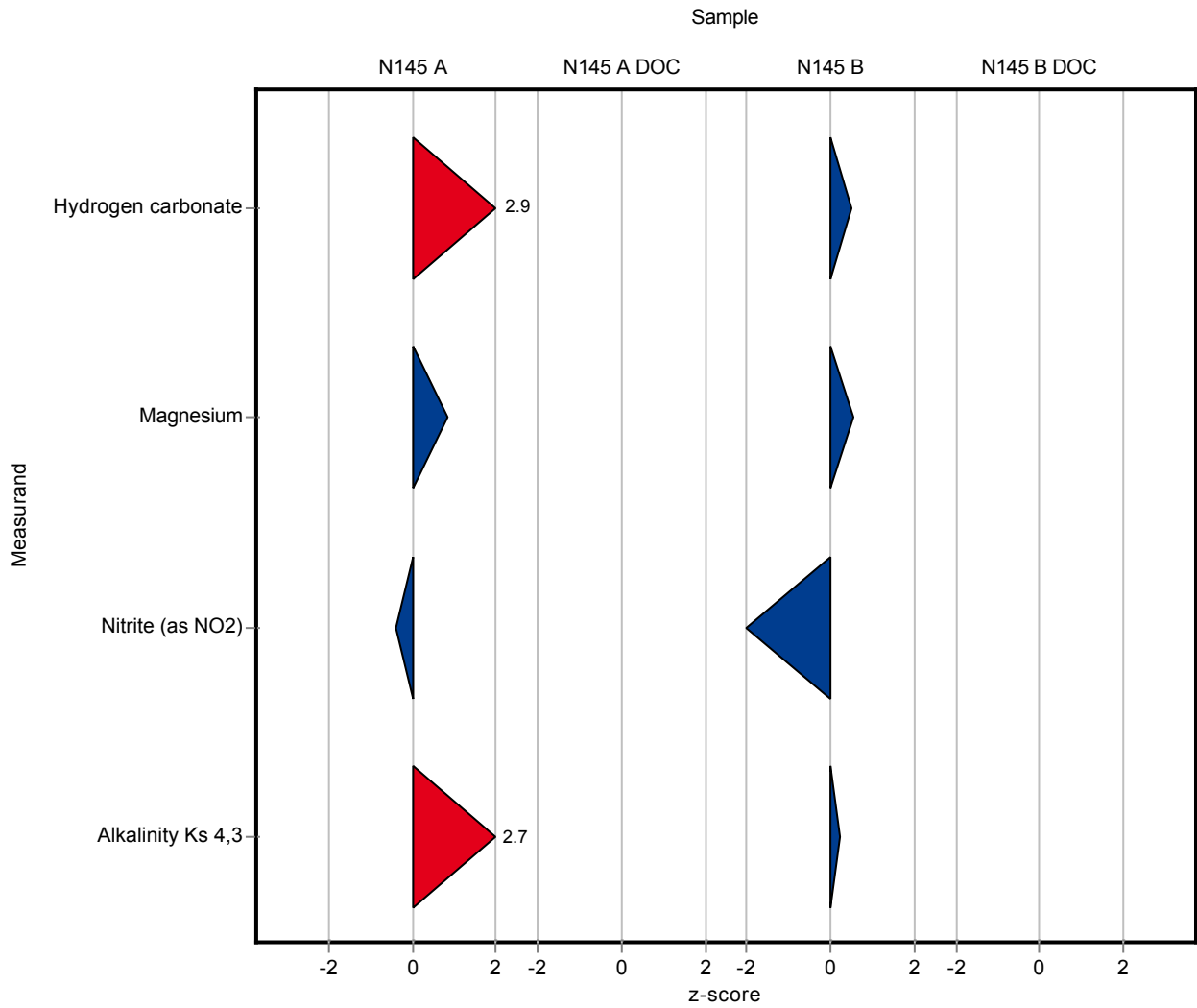
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	219 ± 9	4.7	101	0.48
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	14.9 ± 1.5	0.523	102	0.54
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0557 ± 0.002	0.00423	88.3	-1.74
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.14	0.0725	100	0.23

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	167 ± 7	3.36	106	0.70
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	18.7 ± 1.9	0.651	103	0.14
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.184 ± 0.01	0.00998	97.7	-0.21
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.74 ± 0.11	0.0525	105	0.63

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

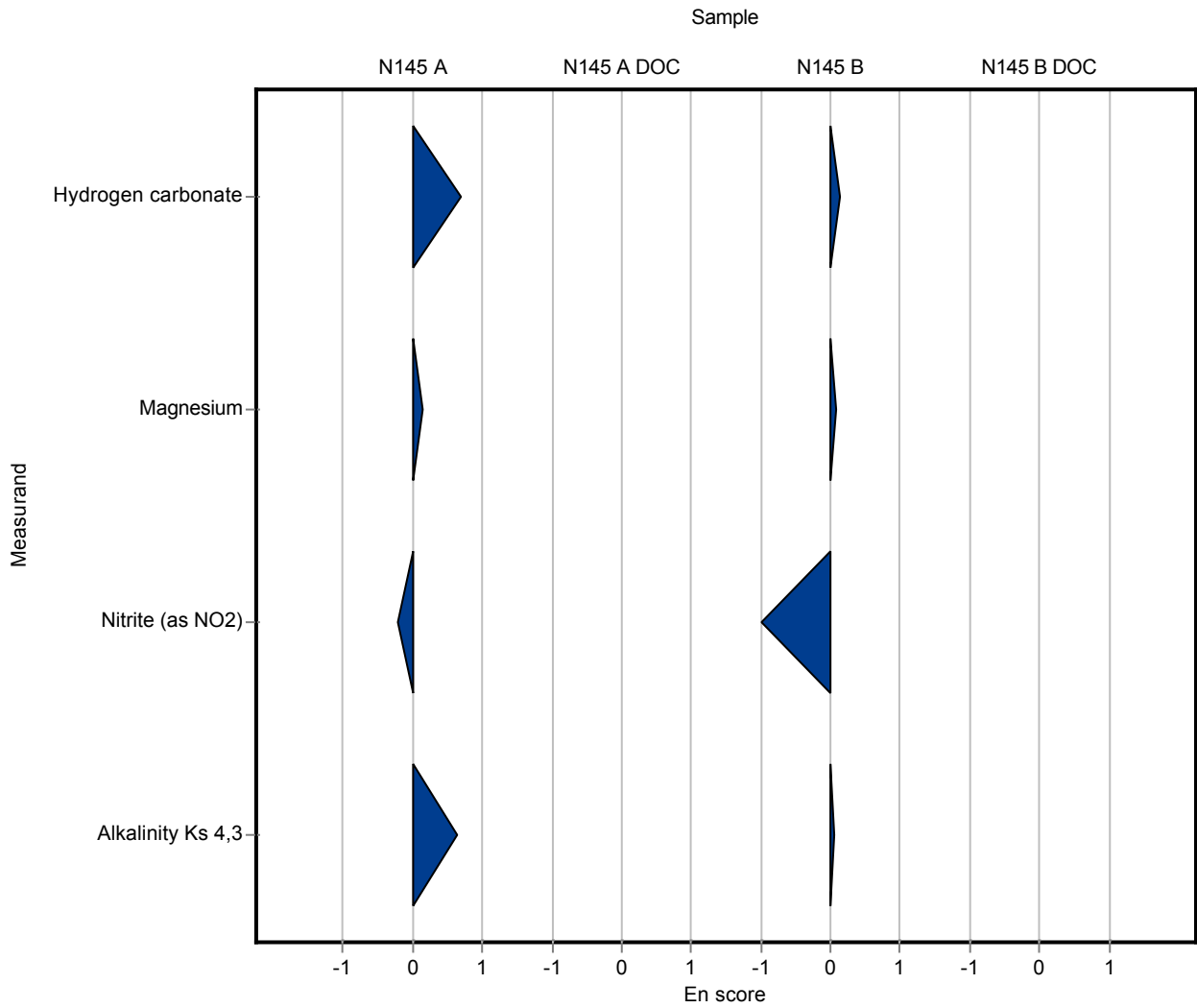
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	219 ± 9	4.7	101	0.13
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	14.9 ± 1.5	0.523	102	0.09
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.0557 ± 0.002	0.00423	88.3	-1.76
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.59 ± 0.14	0.0725	100	0.06

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.086 ± 0.027	0.0137	101	0.05
Boron	mg/l	0.0212 ± 0.000599	0.0216 ± 0.0043	0.00212	102	0.19
Calcium	mg/l	61 ± 0.622	61.9 ± 10.5	2.15	101	0.40
Chloride	mg/l	21.7 ± 0.152	22.1 ± 1.5	0.825	102	0.47
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 10	6.25	100	0.14
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.058 ± 0.02	0.0577	8.94	-10.20
Total hardness	mmol/l	2.29 ± 0.0172	2.29 ± 0.48	0.0618	100	-0.01
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	152 ± 15	3.36	96.7	-1.53
Potassium	mg/l	1.18 ± 0.028	1.22 ± 0.1	0.094	104	0.45
Magnesium	mg/l	18.2 ± 0.188	18.2 ± 2.2	0.651	100	0.04
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.5	0.292	101	0.16
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.8 ± 1.9	1.58	98.9	-0.22
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.192 ± 0.019	0.00998	102	0.38
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 0.023	0.0162	99.3	-0.08
pH-value	-	7.85 ± 0.0288	7.8 ± 0.1	0.126	99.4	-0.38
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.3 ± 3.4	1.89	98.5	-0.44
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.547 ± 0.255	0.0525	98	-1.01

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.49 ± 0.1	0.133	84.5	-0.67

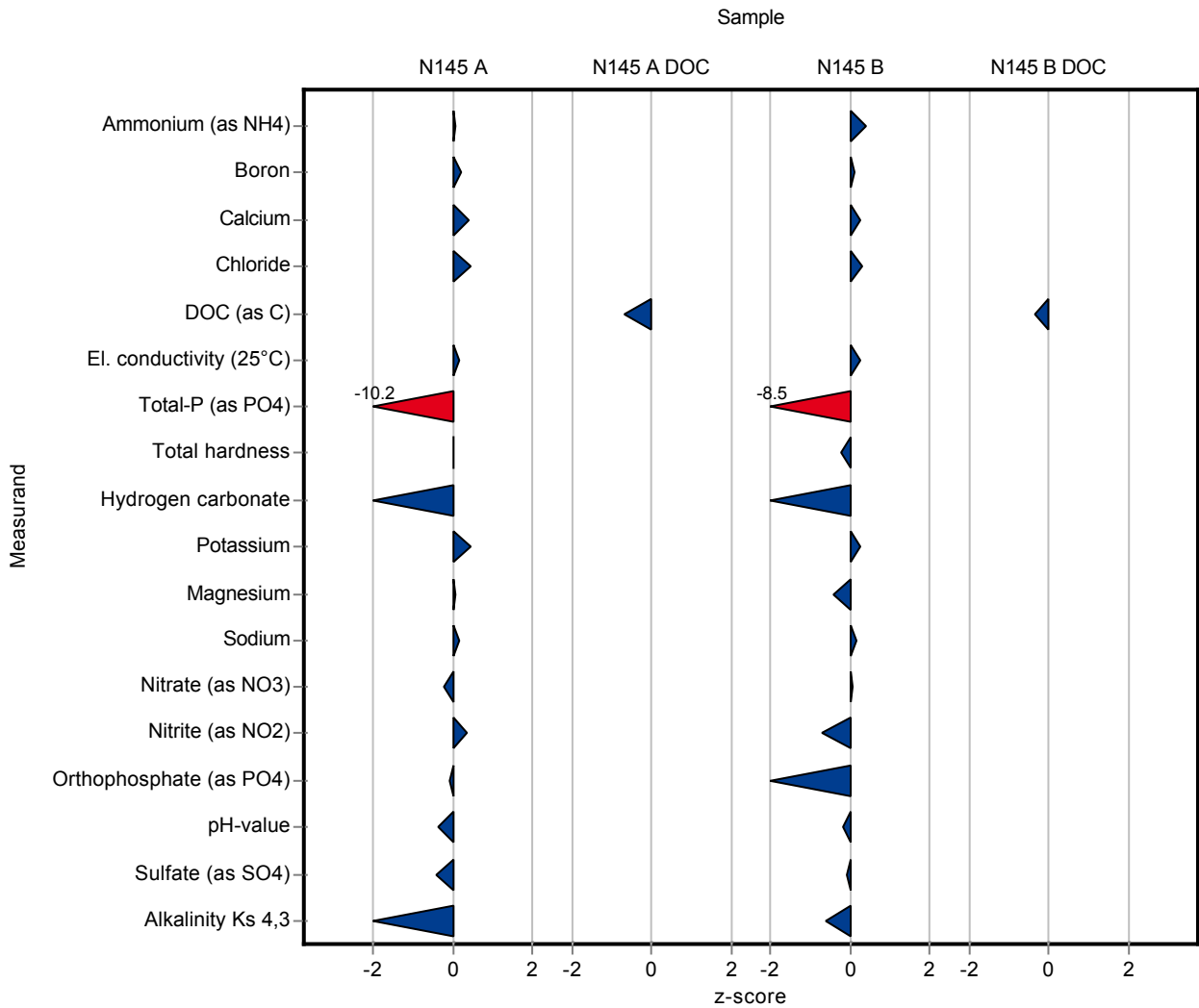
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.029	0.0143	107	0.41
Boron	mg/l	0.0155 ± 0.000684	0.0157 ± 0.003	0.00155	101	0.13
Calcium	mg/l	63.5 ± 0.611	64 ± 10.9	2.09	101	0.25
Chloride	mg/l	28.2 ± 0.219	28.5 ± 2	1.07	101	0.30
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± 10	6.48	100	0.26
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.033 ± 0.01	0.0122	24	-8.54
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.46	0.0595	99.4	-0.23

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	212 ± 21	4.7	97.8	-1.01
Potassium	mg/l	2.43 ± 0.0361	2.46 ± 0.25	0.121	101	0.25
Magnesium	mg/l	14.6 ± 0.152	14.4 ± 1.73	0.523	98.5	-0.42
Sodium	mg/l	17.4 ± 0.211	17.5 ± 1.57	0.715	101	0.13
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.8	0.611	100	0.06
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.008	0.00423	95.1	-0.73
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.101 ± 0.013	0.0111	82.6	-1.91
pH-value	-	8.13 ± 0.0204	8.1 ± 0.1	0.13	99.7	-0.20
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 1.8	1.02	99.7	-0.08
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.53 ± 0.353	0.0725	98.8	-0.59

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.11 ± 0.17	0.21	96.7	-0.35



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	0.086 ± 0.027	0.0137	101	0.01
Boron	mg/l	0.0212 ± 0.000599	0.0216 ± 0.0043	0.00212	102	0.05
Calcium	mg/l	61 ± 0.622	61.9 ± 10.5	2.15	101	0.04
Chloride	mg/l	21.7 ± 0.152	22.1 ± 1.5	0.825	102	0.13
El. conductivity (25°C)	µS/cm	481 ± 1.57	482 ± 10	6.25	100	0.04
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	0.058 ± 0.02	0.0577	8.94	-14.20
Total hardness	mmol/l	2.29 ± 0.0172	2.29 ± 0.48	0.0618	100	0.00
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	152 ± 15	3.36	96.7	-0.17
Potassium	mg/l	1.18 ± 0.028	1.22 ± 0.1	0.094	104	0.21
Magnesium	mg/l	18.2 ± 0.188	18.2 ± 2.2	0.651	100	0.01
Sodium	mg/l	6.75 ± 0.0891	6.8 ± 0.5	0.292	101	0.05
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	31.8 ± 1.9	1.58	98.9	-0.09
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	0.192 ± 0.019	0.00998	102	0.10
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	0.177 ± 0.023	0.0162	99.3	-0.03
pH-value	-	7.85 ± 0.0288	7.8 ± 0.1	0.126	99.4	-0.24
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	56.3 ± 3.4	1.89	98.5	-0.12
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.547 ± 0.255	0.0525	98	-0.10

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	0.49 ± 0.1	0.133	84.5	-0.44

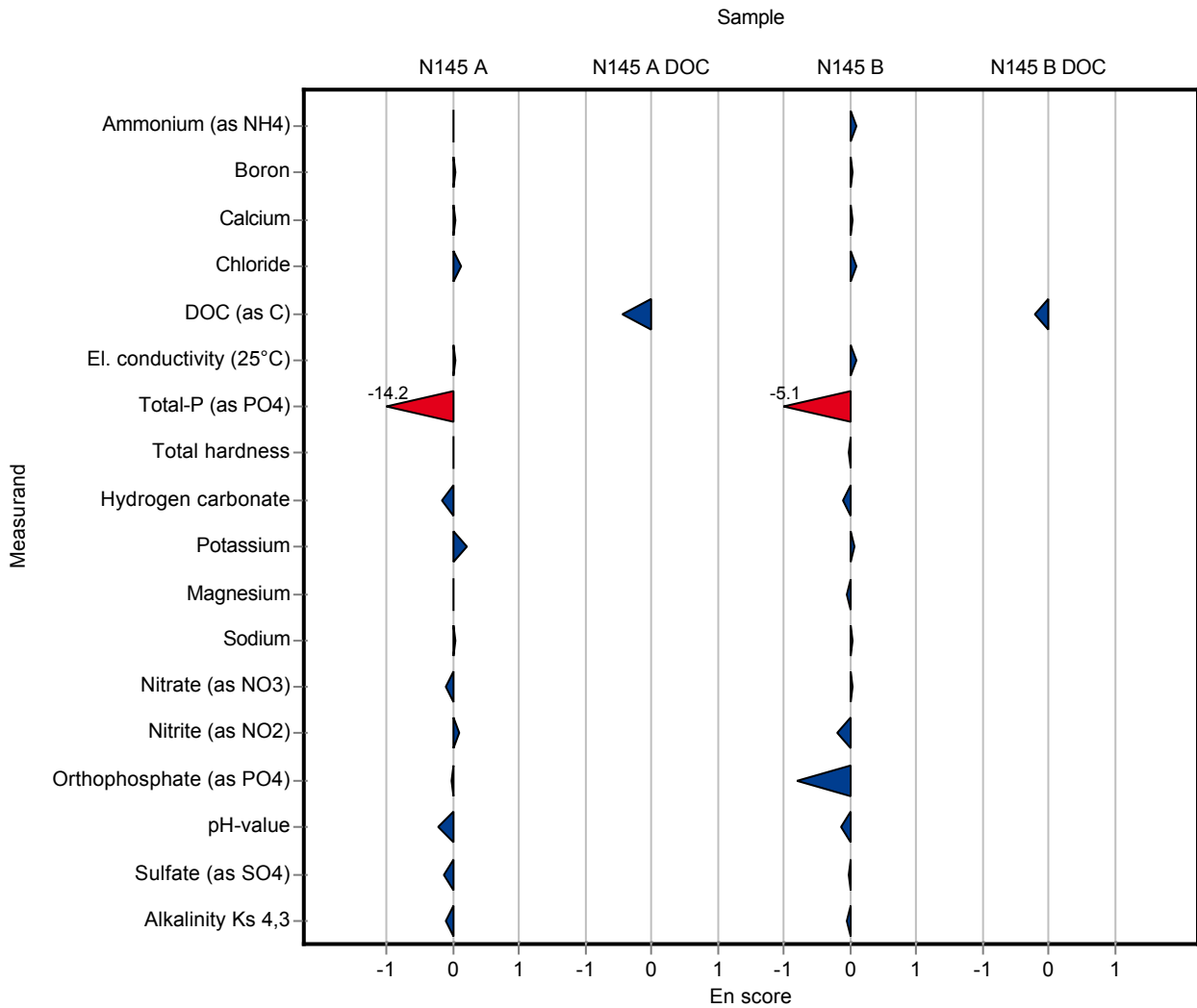
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	0.095 ± 0.029	0.0143	107	0.10
Boron	mg/l	0.0155 ± 0.000684	0.0157 ± 0.003	0.00155	101	0.03
Calcium	mg/l	63.5 ± 0.611	64 ± 10.9	2.09	101	0.02
Chloride	mg/l	28.2 ± 0.219	28.5 ± 2	1.07	101	0.08
El. conductivity (25°C)	µS/cm	498 ± 1.43	500 ± 10	6.48	100	0.08
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	0.033 ± 0.01	0.0122	24	-5.14
Total hardness	mmol/l	2.2 ± 0.0157	2.19 ± 0.46	0.0595	99.4	-0.01

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	212 ± 21	4.7	97.8	-0.11
Potassium	mg/l	2.43 ± 0.0361	2.46 ± 0.25	0.121	101	0.06
Magnesium	mg/l	14.6 ± 0.152	14.4 ± 1.73	0.523	98.5	-0.06
Sodium	mg/l	17.4 ± 0.211	17.5 ± 1.57	0.715	101	0.03
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	12.5 ± 0.8	0.611	100	0.02
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	0.06 ± 0.008	0.00423	95.1	-0.19
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	0.101 ± 0.013	0.0111	82.6	-0.81
pH-value	-	8.13 ± 0.0204	8.1 ± 0.1	0.13	99.7	-0.13
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	30.7 ± 1.8	1.02	99.7	-0.02
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.53 ± 0.353	0.0725	98.8	-0.06

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	2.11 ± 0.17	0.21	96.7	-0.21



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.66 ± 0.1	0.0525	102	1.14

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

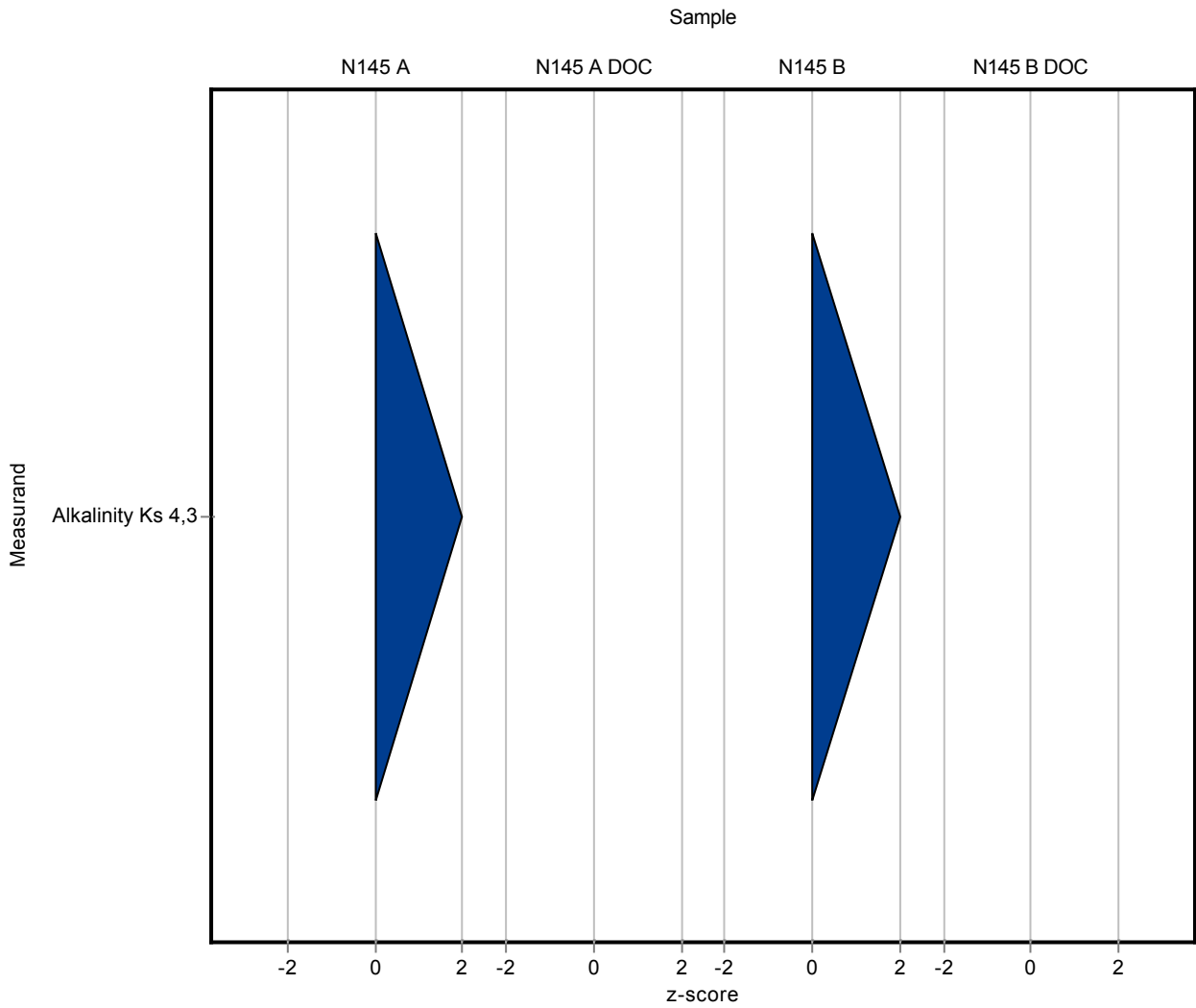
Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.68 ± 0.13	0.0725	103	1.48

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	z-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-



Sample: N145A

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0854 ± 0.00237	- ± -	0.0137	-	-
Boron	mg/l	0.0212 ± 0.000599	- ± -	0.00212	-	-
Calcium	mg/l	61 ± 0.622	- ± -	2.15	-	-
Chloride	mg/l	21.7 ± 0.152	- ± -	0.825	-	-
El. conductivity (25°C)	µS/cm	481 ± 1.57	- ± -	6.25	-	-
Total-P (as PO ₄)	mg/l	0.649 ± 0.0119	- ± -	0.0577	-	-
Total hardness	mmol/l	2.29 ± 0.0172	- ± -	0.0618	-	-
Total nitrogen	mg/l	7.48 ± 0.238	- ± -	0.628	-	-
Hydrogen carbonate	mg/l	157 ± 1.09	- ± -	3.36	-	-
Potassium	mg/l	1.18 ± 0.028	- ± -	0.094	-	-
Magnesium	mg/l	18.2 ± 0.188	- ± -	0.651	-	-
Sodium	mg/l	6.75 ± 0.0891	- ± -	0.292	-	-
Nitrate (as NO ₃)	mg/l	32.2 ± 0.249	- ± -	1.58	-	-
Nitrite (as NO ₂)	mg/l	0.188 ± 0.00184	- ± -	0.00998	-	-
Orthophosphate (as PO ₄)	mg/l	0.178 ± 0.00355	- ± -	0.0162	-	-
pH-value	-	7.85 ± 0.0288	- ± -	0.126	-	-
Sulfate (as SO ₄)	mg/l	57.1 ± 0.539	- ± -	1.89	-	-
Alkalinity Ks 4,3	mmol/l	2.6 ± 0.0146	2.66 ± 0.1	0.0525	102	0.30

Sample: N145ADOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	0.58 ± 0.0472	- ± -	0.133	-	-

Sample: N145B

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Ammonium (as NH ₄)	mg/l	0.0891 ± 0.00373	- ± -	0.0143	-	-
Boron	mg/l	0.0155 ± 0.000684	- ± -	0.00155	-	-
Calcium	mg/l	63.5 ± 0.611	- ± -	2.09	-	-
Chloride	mg/l	28.2 ± 0.219	- ± -	1.07	-	-
El. conductivity (25°C)	µS/cm	498 ± 1.43	- ± -	6.48	-	-
Total-P (as PO ₄)	mg/l	0.137 ± 0.00336	- ± -	0.0122	-	-
Total hardness	mmol/l	2.2 ± 0.0157	- ± -	0.0595	-	-

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
Total nitrogen	mg/l	3.04 ± 0.0951	- ± -	0.252	-	-
Hydrogen carbonate	mg/l	217 ± 1.49	- ± -	4.7	-	-
Potassium	mg/l	2.43 ± 0.0361	- ± -	0.121	-	-
Magnesium	mg/l	14.6 ± 0.152	- ± -	0.523	-	-
Sodium	mg/l	17.4 ± 0.211	- ± -	0.715	-	-
Nitrate (as NO ₃)	mg/l	12.5 ± 0.117	- ± -	0.611	-	-
Nitrite (as NO ₂)	mg/l	0.0631 ± 0.00126	- ± -	0.00423	-	-
Orthophosphate (as PO ₄)	mg/l	0.122 ± 0.00333	- ± -	0.0111	-	-
pH-value	-	8.13 ± 0.0204	- ± -	0.13	-	-
Sulfate (as SO ₄)	mg/l	30.8 ± 0.261	- ± -	1.02	-	-
Alkalinity Ks 4,3	mmol/l	3.57 ± 0.0201	3.68 ± 0.13	0.0725	103	0.41

Sample: N145BDOC

Parameter	Unit	Assigned value ± U (k=2)	Result ± U	Criteria	Recovery [%]	En-Score
DOC (as C)	mg/l	2.18 ± 0.0583	- ± -	0.21	-	-

